

Canon Utilities

• Digital Photo Professional Ver.2.1

Compatible RAW Image Models

- EOS-1D Mark II N
- EOS 5D
- EOS-1Ds Mark II
- EOS 30D
- EOS-1D Mark II
- EOS 20D
- EOS-1Ds
- EOS 10D
- EOS-1D
- EOS DIGITAL REBEL XT/350D DIGITAL
- EOS D6000
- EOS DIGITAL REBEL/300D DIGITAL
- EOS D2000
- EOS D60
- PowerShot Pro1
- EOS D30

Table of Contents

Introduction

1 Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2 Performing Detailed Edits in the Edit Window

3 Performing Detailed Edits in the Edit Image Window

4 Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



READ CAREFULLY BEFORE USING!

CANON SOFTWARE LICENSE AGREEMENT

IMPORTANT - READ THIS AGREEMENT BEFORE USING THE SOFTWARE ON THE CD-ROM IN THIS BOX. BY USING THE SOFTWARE, YOU AGREE TO BE BOUND BY THE TERMS OF THIS AGREEMENT.

This is a license agreement (the [Agreement]) between you and Canon Inc. ([Canon]).

IF YOU DO NOT AGREE TO THE TERMS AND CONDITIONS OF THIS AGREEMENT, DO NOT USE THE SOFTWARE PROGRAM ON THE CD-ROM AND THE USER MANUAL IN THIS BOX (COLLECTIVELY, THE [SOFTWARE]) AND RETURN THE SOFTWARE WITHIN 30 DAYS FROM THE DATE OF PURCHASE TO YOUR POINT OF PURCHASE FOR A REFUND.

In consideration of the right to use the SOFTWARE, you agree to abide by the terms and conditions of this Agreement.

1. **LICENSE:** Canon grants you the non-exclusive right to use the SOFTWARE only on a single computer. You may physically transfer the SOFTWARE from one computer to another provided that the SOFTWARE is used on only one computer at a time. You shall not install or use the SOFTWARE on a network, multiple CPU, multiple site arrangement, or any other hardware configuration where the SOFTWARE is accessible to more than one CPU or to more than one user.

YOU SHALL NOT ASSIGN, SUBLICENSE, RENT, LEASE, LOAN, CONVEY OR OTHERWISE USE, TRANSFER, COPY, TRANSLATE, CONVERT TO ANOTHER PROGRAMMING LANGUAGE, ALTER, MODIFY, DECOMPILE OR DISASSEMBLE THE SOFTWARE, IN WHOLE OR IN PART, EXCEPT AS EXPRESSLY PROVIDED IN THIS AGREEMENT.

2. **BACK-UP COPY:** You may make one copy of the SOFTWARE solely for back-up purposes, or copy the SOFTWARE onto the permanent storage device (e.g. a hard disk) of your computer and retain the original for back-up purposes. Any other copying of the SOFTWARE is a violation of this Agreement. You must reproduce and include the copyright notice on the back-up copy.
3. **SUPPORT AND UPDATES:** Canon is not responsible for providing maintenance or support for use of the SOFTWARE. No updates, fixes or support will be made available for the SOFTWARE.
4. **LIMITED WARRANTY AND LIMITATION OF LIABILITY:** It is your responsibility to choose, maintain and match the hardware and software components of your computer system. Thus Canon does not guarantee uninterrupted service or correction of errors or that the functions or performance of the SOFTWARE will meet your requirements. THE SOFTWARE IS LICENSED ON AN [AS IS] BASIS AND WITHOUT WARRANTY OF ANY KIND. The CD-ROM storing the SOFTWARE is warranted only against defective material under normal use for a period of ninety (90) days after purchase from an authorized Canon dealer as evidenced by your sales receipt. Your sole remedy for a defective CD-ROM shall be replacement of the same without charge when returned by you at your expense to your point of purchase and proven to be defective upon inspection. The replacement CD-ROM will be warranted for the remainder of the original ninety (90) day warranty period of the defective CD-ROM. The limited warranty does not apply if the failure of the CD-ROM resulted from accident, abuse or misapplication of the SOFTWARE and shall not extend to anyone other than the original user of the SOFTWARE.

EXCEPT AS SPECIFICALLY SET FORTH IN THIS PARAGRAPH 4, CANON, CANON'S SUBSIDIARIES, DISTRIBUTORS AND DEALERS DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE SOFTWARE.

NEITHER CANON NOR ANY OF CANON'S SUBSIDIARIES, DISTRIBUTORS OR DEALERS IS LIABLE FOR ANY DAMAGES HOWSOEVER CAUSED, INCLUDING WITHOUT LIMITATION, DIRECT, CONSEQUENTIAL OR INCIDENTAL LOSS OR DAMAGE INCLUDING LOSS OF PROFITS, EXPENSE OR INCONVENIENCE HOWSOEVER CAUSED OR ARISING OUT OF THE SOFTWARE OR THE USE THEREOF.

NEITHER CANON, NOR ANY OF CANON'S SUBSIDIARIES, DISTRIBUTORS OR DEALERS SHALL HAVE ANY OBLIGATION TO INDEMNIFY YOU AGAINST ANY CLAIM OR SUIT BROUGHT BY A THIRD PARTY ALLEGING THAT THE SOFTWARE OR THE USE THEREOF INFRINGES ANY INTELLECTUAL PROPERTY OF SUCH THIRD PARTY.

5. **TERM:** This Agreement is effective upon your using the SOFTWARE and remains in effect until expiration of all copyright interests in the SOFTWARE unless earlier terminated. You may terminate this Agreement by destroying the SOFTWARE. This Agreement will also terminate without notice to you if you fail to comply with any of the terms of this Agreement and you must then promptly return the SOFTWARE. In addition, Canon may enforce its other legal rights.
6. **U.S. GOVERNMENT RESTRICTED RIGHTS NOTICE:** The SOFTWARE is provided with restricted rights. Use, duplication or disclosure is subject to restrictions as set forth in either subparagraph (c) (1) (ii) of the Rights in Technical Data and Computer software clause at DFARs 252.227-7013 or subparagraph (c) (1) and (2) of the Commercial Computer Software Restricted Rights Clause at FAR 52.227-19, as applicable.
7. **SEVERABILITY:** In the event that any provision of this Agreement is declared or found to be illegal by any court or tribunal of competent jurisdiction, such provision shall be null and void with respect to the jurisdiction of that court or tribunal and all the remaining provisions of this Agreement shall remain in full force and effect.
8. **CONTROLLING LAW:** The terms of this Agreement as it relates to purchases of the Software in the United States of America shall be governed and construed in all respects in accordance with the laws and regulations of the State of New York, without reference to choice of law principles. The terms of this Agreement as it relates to purchases of the Software in Canada shall be governed by the laws of the province of Ontario.
9. **OWNERSHIP:** All rights, including but not limited to copyrights and trade secret rights, to the SOFTWARE belong to Canon, its affiliated corporations and third party licensors. Your use of the SOFTWARE is subject to the United States, Canada and other applicable copyright and trademark laws and nothing in this Agreement constitutes a waiver of the rights of Canon, its affiliated corporations and third party licensors under such laws. Nothing contained in Paragraph 1 shall be construed to give Canon any ownership rights in any images, graphics or textual material that you save in connection with the Software.
10. **ACKNOWLEDGEMENT:** BY USING THE SOFTWARE, YOU ACKNOWLEDGE THAT YOU HAVE READ THIS AGREEMENT, UNDERSTOOD IT, AND AGREE TO BE BOUND BY ITS TERMS AND CONDITIONS. YOU ALSO AGREE THAT THIS AGREEMENT IS THE COMPLETE AND EXCLUSIVE STATEMENT OF AGREEMENT BETWEEN YOU AND CANON CONCERNING THE SUBJECT MATTER HEREOF AND SUPERSEDES ALL PROPOSALS OR PRIOR AGREEMENTS, VERBAL OR WRITTEN, AND ANY OTHER COMMUNICATIONS BETWEEN THE PARTIES RELATING TO THE SUBJECT MATTER HEREOF. NO AMENDMENT TO THIS AGREEMENT SHALL BE EFFECTIVE UNLESS SIGNED BY A DULY AUTHORIZED OFFICER OF CANON.

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Introduction

This chapter includes information on the precautions to be read before using Digital Photo Professional, how to use this Instruction Manual, the system requirements and the supported image types. It also explains the functions and window structure, and gives examples of operation.

About This Manual

- Thank you for purchasing this Canon product.
- Precautions for using this product safely and icons to help you with procedures, etc. are described at the beginning of this Instruction Manual. Please be sure to read these first before proceeding to the information in the other chapters.
- It is prohibited to reproduce, in whole or part, the contents of this Instruction Manual without permission.
 - Canon may change without notice the software specifications and contents of this Instruction Manual.
 - The software screens and displays printed in this Instruction Manual may differ slightly from the actual software.
 - The content of this Instruction Manual has been reviewed thoroughly. However, if you should notice any errors or omissions, please contact a Canon Service Center.
 - Please note that irrespective of the above-mentioned, Canon does not take responsibility for the outcome of the operation of the software.

Trademark Acknowledgments

- Canon and EOS are trademarks of Canon Inc.
- IBM is a registered trademark of International Business Machines Corporation.
- Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Adobe and Photoshop are registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
- Other names and products not mentioned above may be registered trademarks or trademarks of their respective companies.

● Click on the item to display its page.

About This Manual	0-1
System Requirements	0-1
Supported Images	0-1
How to Use This Instruction Manual.....	0-2
Function Window Configuration	0-3
Main Features	0-4
Function Contents	0-5
Example of Operation	0-6

System Requirements

OS	Windows XP (Professional/Home Edition), Windows 2000 Professional
Computer	PC with one of the above OS preinstalled * Upgraded machines not supported
CPU	750MHz Pentium III or higher
RAM	Minimum 512MB
Display	Screen resolution: 1024 × 768 pixels or more Color quality: Medium (16 bit) or more

Supported Images

This software supports the following image types.

Image type/ Camera used		Extension
RAW images	EOS-1D Mark II N, EOS-1Ds Mark II, EOS-1D Mark II, EOS 5D, EOS 30D, EOS 20D, EOS DIGITAL REBEL XT/350D DIGITAL, EOS D6000*1, EOS D2000*1	.CR2
	EOS-1Ds, EOS-1D	.TIF
	EOS 10D, EOS DIGITAL REBEL/300D DIGITAL, EOS D60, EOS D30 or PowerShot Pro1*2	.CRW
RGB images	JPEG images	Exif 2.2 or 2.21-compatible JPEG images .JPG, .JPEG
	TIFF images	Exif-compatible TIFF images .TIF, .TIFF

*1 Images converted to RAW images that have the “.CR2” extension in the dedicated conversion software.
For information on software that converts images shot with the EOS D6000 and EOS D2000, refer to Canon’s web site.

*2 You cannot edit with the Digital Photo Professional RAW image adjustment function.

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

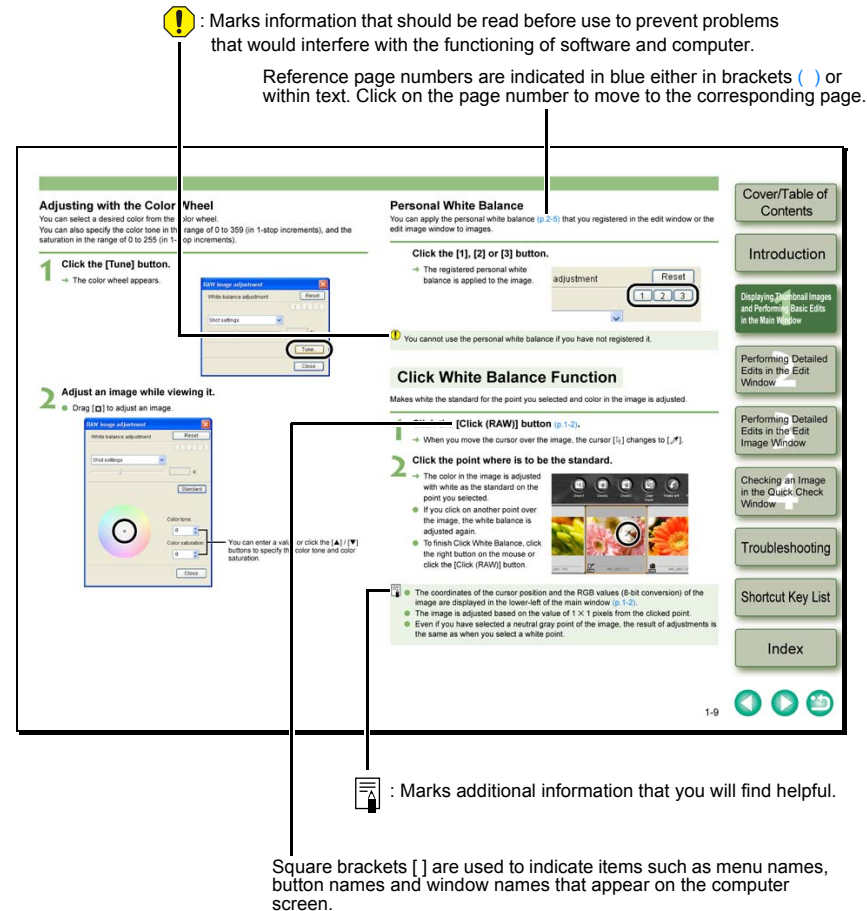
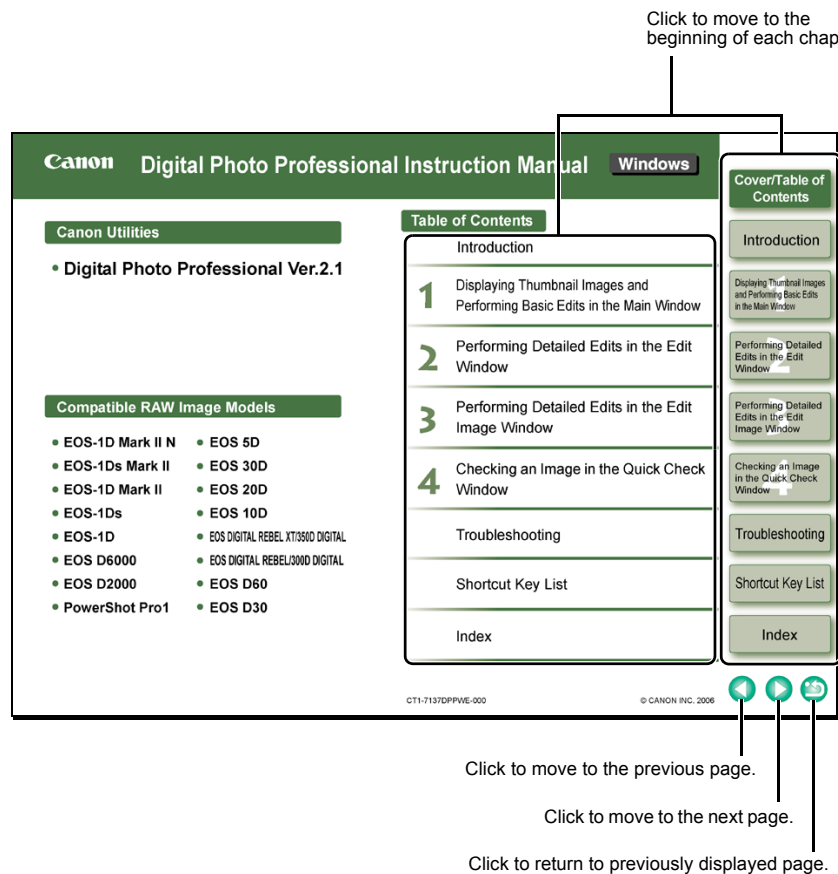
Troubleshooting

Shortcut Key List

Index

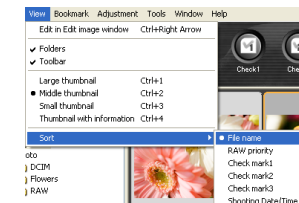


How to Use This Instruction Manual



- In this manual, Windows XP Professional/Home Edition is referred to as "Windows XP", and Windows 2000 Professional is referred to as "Windows 2000".
 - For more information on how to use Digital Photo Professional, refer also to the help displayed by selecting the [Help] menu ▶ [Digital Photo Professional Help].
 - For more information on the restrictions of Digital Photo Professional, refer also to the "Readme" file.
- Readme: Click the [Start] button ▶ select [All Programs] ([Programs] in Windows 2000) ▶ [Canon Utilities] ▶ [Digital Photo Professional] ▶ [Digital Photo Professional Readme].

- In this manual, the screens used in the examples are from Windows XP.
- Text inside < > in this document indicates the key on the keyboard and camera button names.
- ▶ in this document indicates the sequence of operation as shown on the right.
Example: [View] menu ▶ [Sort] ▶ [File name]



Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



➡ : Shows the shot image flow.

➡➡ : Shows the interaction between the camera and the software, or between the different software.

 : Shows EOS Utility window and description of operation.



Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2 Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

4 Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index

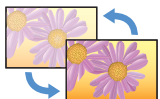
Main Features

Digital Photo Professional (DPP) software is designed for viewing and editing RAW images shot with Canon digital cameras and has the following features and functions to meet the requirements of professional and high-end amateurs who mainly shoot RAW images.



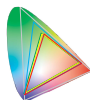
High-speed Processing of RAW Images

- DPP has made possible, using Canon's own high performance algorithm, high-speed processing and high-speed display of RAW images.
- DPP, Canon's genuine software, has made possible high-image quality processing.



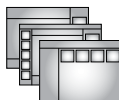
Real-time Image Adjustment

- DPP has various image adjustment functions where the results of editing are applied to an image in real-time.
- You can adjust all image adjustment functions with 16 bit high precision.
- DPP can perform various kinds of image editing with the RAW image adjustment function that is richer and has a larger degree of freedom than the image adjustment features of the camera. It also has the RGB image adjustment function that can edit RAW images and RGB (JPEG, TIFF) images. There is almost no image deterioration of RAW images edited with the RAW image adjustment function.
- RAW image adjustment functions:
Brightness adjustment, white balance adjustment, Picture Style setting
- RGB image adjustment functions:
Tone curve automatic adjustment (tone curve assist), tone curve adjustment, color adjustment, sharpness adjustment
- Other adjustment functions:
Image rotation (90° to the left or right), trimming, image correction (repair, copy stamp)
- DPP can save, load or apply recipe (results of various adjustments made to an edited image) to other images.
- The before and after editing comparative display function allows you to compare and adjust an image displayed in a window showing the before and after versions.



Color Management

- DPP is compatible with Color Management System.
- DPP is compatible with 5 kinds of color space (sRGB, Adobe RGB, Apple RGB, ColorMatch RGB, Wide Gamut RGB).
- DPP can attach ICC profiles to a saved image.
- DPP can set monitor and printer profiles.
- With the CMYK simulation function, DPP can simulate the color of an image when printed with a printer, etc. in a CMYK environment.



Window Variety to Meet a Professional's Workflow

- Various function windows designed for a variety of purposes and comfortable operation.
 - Main window** : Images are displayed as thumbnails and you can sort and change the order of the images, as well as perform basic edits to the images.
Suitable for processing multiple images in a single operation (ex. applying the same editing data or converting to the same image type etc.).
 - Edit window** : An image can be enlarged and detailed edits can be performed.
Suitable for more detailed editing of one image.
 - Edit image window** : Displays both the thumbnails and an enlargement of an image, and detailed edits can be performed. This window has both the functions of the main window and the edit window.
Suitable for detailed editing of multiple images.
 - Quick check window** : Displays the enlarged images one at a time. Suitable to check and sort images quickly.

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Function Contents

Digital Photo Professional has the following types of functions. Also, the window where each function can be used and the page number for that operation is shown.

■ Display functions

	Main window	Edit window	Edit image window	Quick check window
● RAW image display	p.1-2	p.2-2	p.3-1	p.4-1
● RGB (JPEG, TIFF) image display	p.1-2	p.2-2	p.3-1	p.4-1
● Shooting information display Displays the histogram and the shooting information for an image.	p.1-5	—	—	—
● Image information display Displays the information of an image.	p.1-6	p.1-6	p.1-6	—
● Grid lines display Displays grid lines to check the horizontal and vertical level of an image.	—	p.2-3	p.2-3	—
● Before/after comparison display Displays the edited image and the original at the same time.	—	p.2-3	p.2-3	—

■ Image adjustment functions

	Main window	Edit window	Edit image window	Quick check window
● Image rotation Rotates an image 90° to the left or right.	p.1-2	p.2-2	p.3-2	p.4-1
● Trimming Trims an image within your desired range.	p.1-12	p.1-12	p.1-12	—
● Image correcting (repair, copy stamp) Corrects an image by blending unwanted spot with surrounding color or by pasting another image.	p.1-13 p.1-14	p.1-13 p.1-14	p.1-13 p.1-14	—

■ RAW image adjustment functions

	Main window	Edit window	Edit image window	Quick check window
● White balance adjustment Adjusts the white balance by selecting a value or by operating the color wheel and color temperature.	p.1-7	p.2-5	p.2-5	—
● Click white balance Adjusts the white balance by making the selected point standard white.	p.1-9	p.2-5	p.2-5	—
● Brightness adjustment Adjusts the brightness of a RAW image.	p.1-10	p.2-4	p.2-4	—
● Color space setting Sets a color space different to the default settings on individual images.	p.1-10	p.1-10	p.1-10	—
● Picture Style setting Select a Picture Style and/or adjust its parameters (color tone, color saturation and sharpness) and apply to an image.	—	p.2-6	p.2-6	—

* Editing with the RAW image adjustment function causes almost no image deterioration.

■ RGB image adjustment functions

	Main window	Edit window	Edit image window	Quick check window
● Tone curve automatic adjustment (tone curve assist) Adjusts the tone curve automatically to match the standard image brightness and color.	p.1-11	p.2-8	p.2-8	—
● Brightness adjustment Adjusts the brightness of all the images that can be displayed.	p.1-11	—	—	—
● Tone curve adjustment Adjusts the image by directly adjusting each tone curve channel. You can adjust the brightness and contrast individually.	—	p.2-9 p.2-10	p.2-9 p.2-10	—
● Color adjustment Adjusts the color tone, color saturation and sharpness.	—	p.2-10	p.2-10	—

■ Organize functions

	Main window	Edit window	Edit image window	Quick check window
● Image sorting	p.1-6	—	—	—
● Check marks	p.1-2	p.2-2	p.3-2	p.4-1

■ Print functions

	Main window	Edit window	Edit image window	Quick check window
● One-page printing (automatic settings) Automatically lays out one image on one page and prints it.	p.1-22	p.1-22	p.1-22	—
● One-page printing (detailed settings) Specifies settings, freely lays out and prints one image on one page.	p.1-22	p.1-22	p.1-22	—
● Contact sheet printing Specifies settings, arranges and prints multiple images.	p.1-23	p.1-23	p.1-23	—
● Printing with Easy-PhotoPrint, Easy-PhotoPrint Pro You can print with PIXMA/BJ printers compatible with the above.	p.1-23	p.1-23	p.1-23	—
● Printing with imagePROGRAF Print Plug-In You can print with Canon large-format printers compatible with the above.	p.1-24	p.1-24	p.1-24	—

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

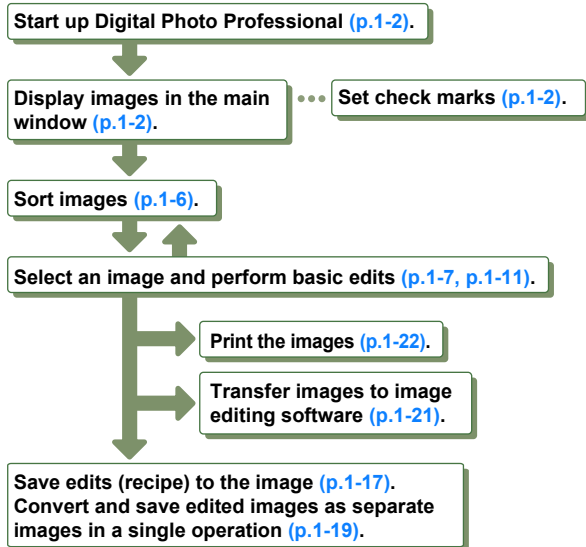
Index



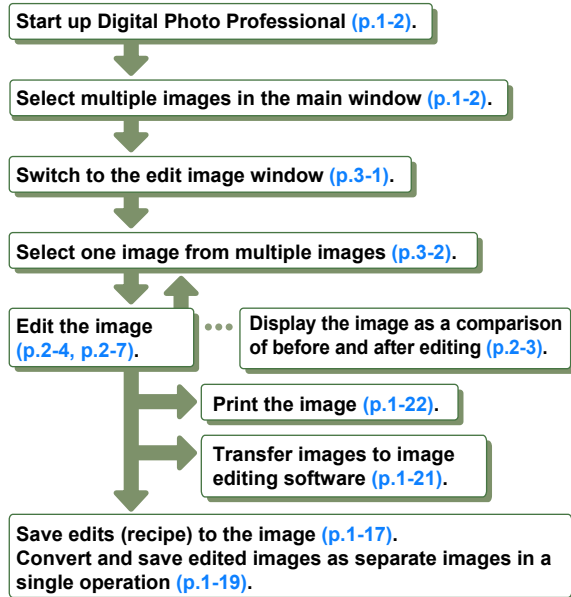
Example of Operation

The following shows typical flows of operating Digital Photo Professional.

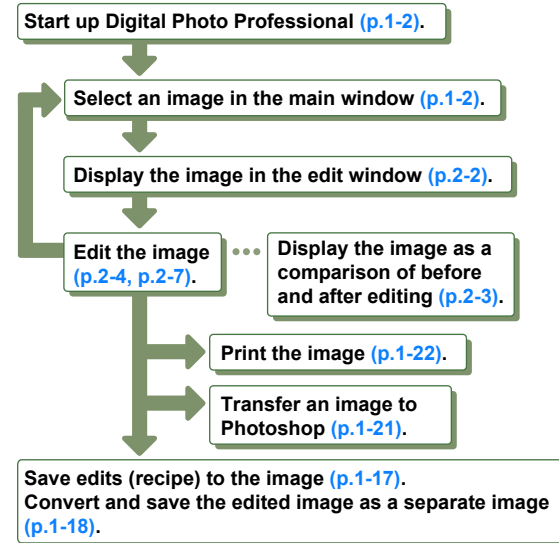
Example 1: Displaying Thumbnail Images and Performing Basic Edits in the Main Window



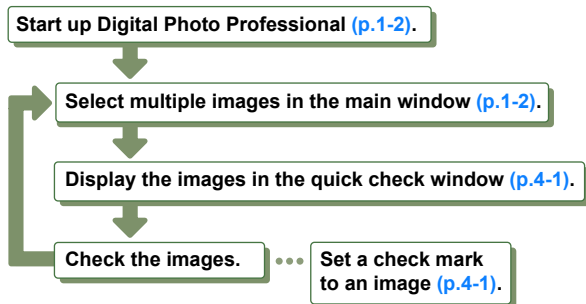
Example 2: Selecting One Image from Multiple Images and Performing Detailed Edits on the Image in the Edit Image Window



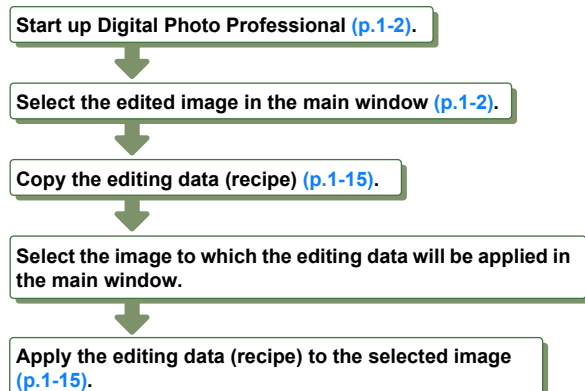
Example 3: Performing Detailed Edits on a Single Image in the Edit Window



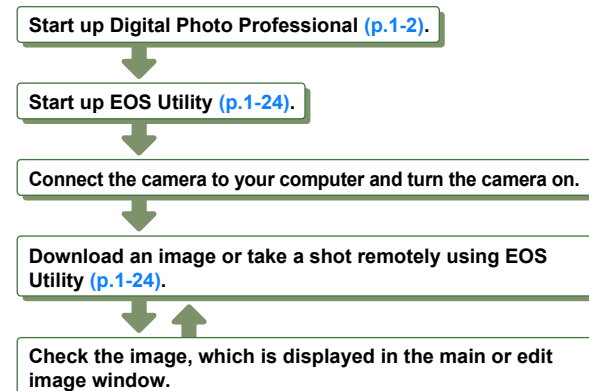
Example 4: Checking Images in the Quick Check Window



Example 5: Applying the Editing Data (recipe) of an Edited Image to Another Image



Example 6: Downloading Images or Remote Shooting with EOS Utility



Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



This chapter describes the functions of the main window, and how to display images and perform basic edits on them.

● Click on the item to display its page.

Starting up Digital Photo Professional	1-2
Displaying Images	1-3
Downloading Images from the Camera	1-3
Handling the Folders	1-4
Creating a New Folder.....	1-4
Registering Frequent Use Folders with the Bookmark.....	1-4
Organizing Bookmarks.....	1-4
Copying/Moving an Image.....	1-5
Deleting Images	1-5
Selecting the Image Display Mode	1-5
Selecting the Thumbnail Size.....	1-5
Displaying Shooting Information.....	1-5
Adding a Thumbnail of the Image.....	1-5
Sorting Images.....	1-6
Displaying Image Information.....	1-6
Displaying the Edit Window.....	1-6
Displaying the Edit Image Window.....	1-6
Displaying the Quick Check Window.....	1-6
Editing RAW Images with RAW Image Adjustment Functions	1-7
Adjusting the White Balance.....	1-7
Click White Balance Function.....	1-9
Adjusting the Brightness.....	1-10
Setting Color Space Different from Default Settings.....	1-10
Editing Images with RGB Image Adjustment Functions	1-11
Automatically Adjusting the Tone Curve (Tone Curve Assist).....	1-11
Adjusting the Brightness.....	1-11

Trimming Images Using the Trimming Function	1-12
Correcting Images Using the Copy Stamp Function	1-13
Correcting an Image Using the Repair Function.....	1-13
Correcting an Image Using the Copy Stamp Function.....	1-14
Using Edits (Recipe)	1-15
Saving the Recipes.....	1-15
Loading and Pasting Recipes.....	1-15
Copying Recipes and Applying to Other Images.....	1-15
Reverting Edited Images to Their Original Condition	1-17
Reverting to Last Saved Settings.....	1-17
Reverting to Shot Settings.....	1-17
Saving the Editing Data to the Image	1-17
Saving by Overwriting.....	1-17
Saving the Image with a Different Name.....	1-17
Converting an Edited Image/Saving as a Separate Image	1-18
Converting a Single Image/Saving as a Separate Image.....	1-18
Converting Multiple Images in a Single Operation/Saving Multiple Images as Separate Images (Batch Processing).....	1-19
Changing File Names in a Single Operation	1-20
Transferring Images to Image Editing Software	1-21
Transferring One Image to Photoshop.....	1-21
Transferring Multiple Images to Image Editing Software.....	1-21
Printing Images	1-22
One-Page Printing (Automatic Settings Printing).....	1-22
One-Page Printing (Detailed Settings Printing).....	1-22
Contact Sheet Printing.....	1-23
Printing with Canon PIXMA/BJ Printers.....	1-23
Printing with Canon Large-Format Printers.....	1-24
Operating with the Remote Shooting Function	1-24
Specifying Preferences	1-25

Cover/Table of
Contents

Introduction

Displaying Thumbnail Images
and Performing Basic Edits
in the Main Window

Performing Detailed
Edits in the Edit
Window

Performing Detailed
Edits in the Edit
Image Window

Checking an Image
in the Quick Check
Window

Troubleshooting

Shortcut Key List

Index



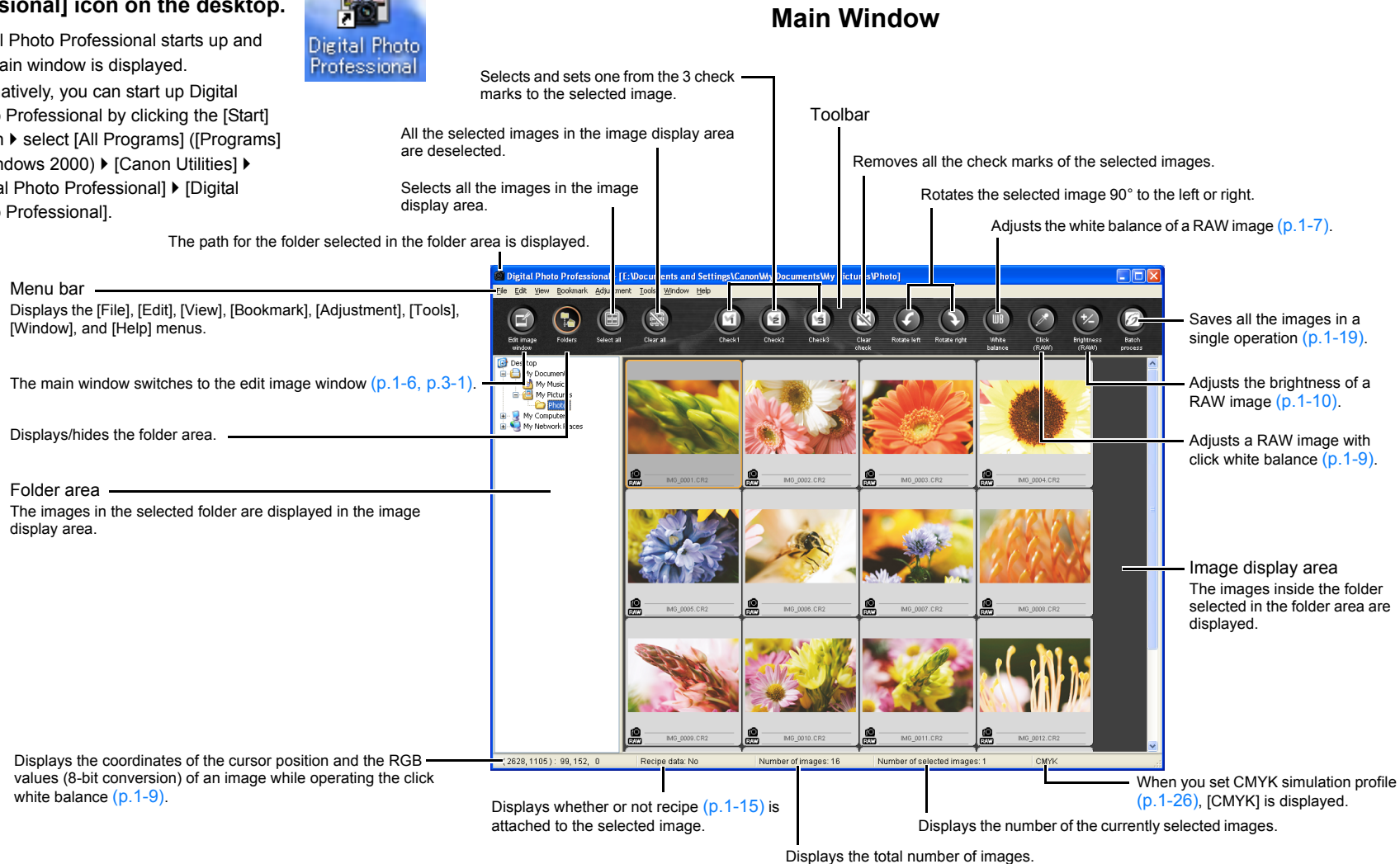
Starting up Digital Photo Professional

By starting up Digital Photo Professional, you can view/edit images saved on your computer. Before being able to view or edit images in Digital Photo Professional, you need to first download shot images to your computer. For details on downloading images from your camera to your computer, refer to "Downloading Images from the Camera" (p.1-3) and the "EOS Utility Instruction Manual".

Double-click the [Digital Photo Professional] icon on the desktop.



- Digital Photo Professional starts up and the main window is displayed.
- Alternatively, you can start up Digital Photo Professional by clicking the [Start] button ▶ select [All Programs] ([Programs] in Windows 2000) ▶ [Canon Utilities] ▶ [Digital Photo Professional] ▶ [Digital Photo Professional].



- To select an image, click the target image.
- To select multiple images, hold down the <Ctrl> key and click the images.
- To select sequential images, click the first image and then hold down the <Shift> key and click the last image.

- Toolbar function buttons and menus on the menu bar perform the same operation.
- For information on shortcut keys, refer to the "Shortcut Key List" (p.5-2).

- When selecting images with a condition such as only RAW images or only images with check marks, select from the [Edit] menu a selection item of the image with a condition.
- To display or hide the toolbar, select the [View] menu ▶ [Toolbar].
- To exit Digital Photo Professional, select [File] menu ▶ [Exit].

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

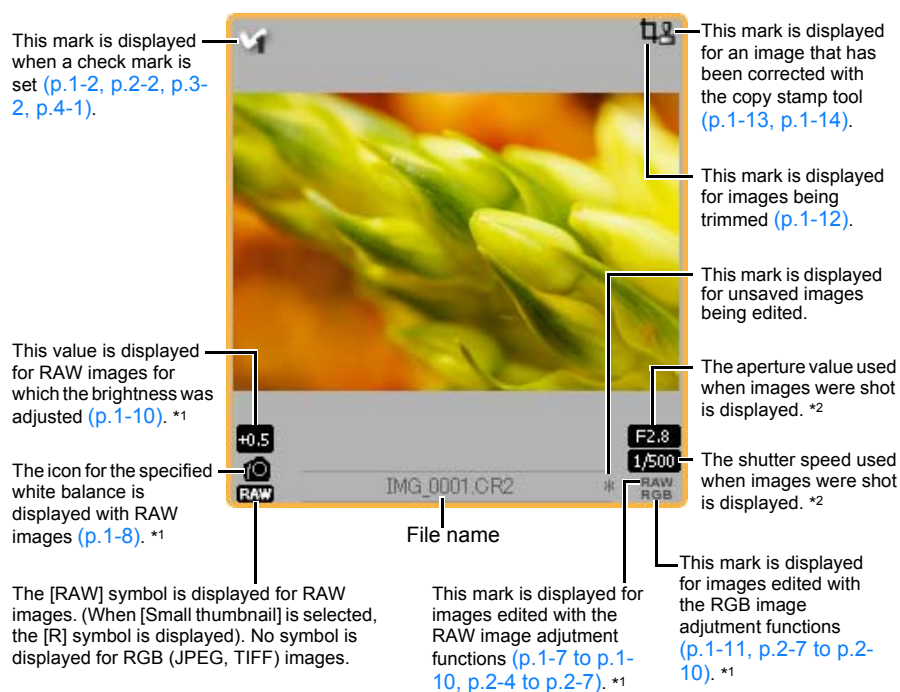
Shortcut Key List

Index



Information Displayed with Images

The following shows the information displayed when [Large thumbnail] (p.1-5) is selected.



*1 Not displayed when [Small thumbnail] is selected.

*2 Not displayed when [Middle thumbnail] or [Small thumbnail] is selected.

! The [RAW] mark is not displayed for PowerShot Pro1 RAW images.

Displaying Images

You can display images saved on your computer in the main window.

Click the folder in which images are saved.

→ The images inside the folder are displayed in the image display area.



- ! You cannot display images saved on a memory card in the camera. You must save images to your computer using EOS Utility or a third-party card reader.
- A JPEG image set to Adobe RGB and taken with the EOS 10D, EOS DIGITAL REBEL/300D DIGITAL or PowerShot Pro1 may be displayed with the sRGB color space applied.

- Images that cannot be displayed appear as [X]. Refer to "Supported Images" for information about the images that can be displayed (p.0-1).
- Images that were shot with the camera held vertically with auto rotate function are automatically displayed vertically.
- When a third-party card reader is connected to your computer, you can insert the memory card removed from the camera in the card reader, and display the saved images. Refer to "Folder Structure and File Names" in the EOS Utility Instruction Manual to select the folder with the shot images.

Downloading Images from the Camera

By using EOS Utility, the camera's communication software, you can download images from your camera's CF card to your computer.

For detailed instructions on EOS Utility, refer to the "EOS Utility Instruction Manual".

- Start up Digital Photo Professional** (p.1-2).
 - Select the [Tools] menu ▶ [Start EOS Utility].**
→ [EOS Utility] starts up.
 - Connect the camera with your computer using the interface cable, and set the camera's power switch to <ON>.**
 - Click the [Starts to download images] button in [EOS Utility].**
→ The images are downloaded to the computer and the downloaded images are displayed in the Digital Photo Professional main window.
- If images do not appear in the main window of Digital Photo Professional, select the [Tools] menu ▶ [Sync folder with EOS Utility] so that the folder to which EOS Utility saves images and the folder displayed by Digital Photo Professional are synchronized.

- ! You can change the window so that the window that displays when you link to EOS Utility is the edit image window (p.1-25).
- Digital Photo Professional is compatible with image downloading with the EOS Utility remote shooting function (p.1-24).

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index

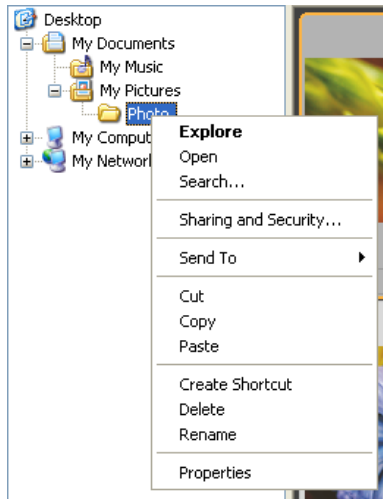


Handling the Folders

You can handle the folder from the menu that appears by clicking the folder with the right button on the mouse.

Click on the folder with the right button on the mouse and select an option from the menu that appears.

- You can drag and drop folders in the folder area to move them to the other folders. You can also copy the folders by dragging and dropping them while holding down the <Ctrl> key.



Creating a New Folder

You can create a new folder in the folder area.

- 1 In the folder area, select the location where the new folder is to be created.**
- 2 Select the [File] menu ▶ [Create new folder].**
 - The [Create new folder] dialog box appears.
- 3 Enter a folder name and click the [OK] button.**
 - The folder is created.

Registering Frequent Use Folders with the Bookmark

You can register frequent use folders with the [Bookmark] menu.

- 1 Select a folder in the folder area.**
- 2 Select [Bookmark] menu ▶ [Add].**
 - The selected folder is registered with the [Bookmark] menu.
 - The registered folder can be selected from the [Bookmark] menu.

Organizing Bookmarks

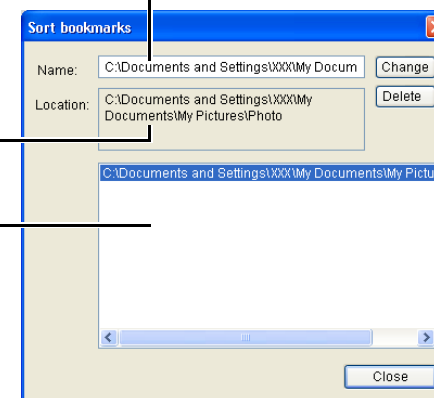
You can change the name of the folder or delete the folder that was registered with the [Bookmark] menu.

- 1 Select [Bookmark] menu ▶ [Organize].**
 - The [Sort bookmarks] dialog box appears.
- 2 Change the folder name or delete the folder.**

The path and name of the folder that is selected in the bookmark folder area is displayed.

The folder path that is selected in the bookmark folder area is displayed.

Bookmark folder area



- To change the folder name, select the folder in the bookmark folder area, change the displayed folder name, and then click the [Change] button.
- To delete the folder, select the folder in the bookmark folder area, then click the [Delete] button.

- 3 Click the [Close] button.**

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Copying/Moving an Image

You can copy and save or move an image to another folder.

- 1 **Select the image to be copied or moved.**
- 2 **Select the [Edit] menu ▶ [Copy] or [Cut].**
→ The image is copied or cut.
- 3 **Select the folder to which the image is to be saved or moved.**
- 4 **Select the [Edit] menu ▶ [Paste].**
→ The image is copied or moved to the selected folder.

Deleting Images

You can move unnecessary images to the Recycle Bin on your computer and delete them.

- 1 **Select images and then select [File] menu ▶ [Delete].**
→ The [Confirm File Delete] dialog box appears.
→ If you select multiple images, the [Confirm Multiple File Delete] dialog box appears.
- 2 **Click the [Yes] button.**
→ The images are moved to the Recycle Bin.
- 3 **Select [Empty Recycle Bin] from the menu that appears by clicking with the right button on the mouse [Recycle Bin] on the desktop.**
→ The images are deleted.

- ! Images that you deleted in step 3 cannot be restored. Check carefully before deleting images.
- When multiple images are selected, all the selected images will be deleted. Take particular care when you have just finished a task involving the selection of multiple images.

 In addition to [CRW_YYYY.CRW] (RAW images) and [IMG_YYYY.JPG] (JPEG images), [CRW_YYYY.THM] (images for displaying camera indexes) is saved in the folder [xxxCANON] where images you have taken with the EOS 10D, EOS DIGITAL REBEL/300D DIGITAL, EOS D60, EOS D30 and PowerShot Pro1 are saved. With Digital Photo Professional, [CRW_YYYY.THM] images are not displayed and therefore you cannot move or delete them.
To move or delete [CRW-YYY.THM], refer to "Folder Structure and File Names" in the EOS Utility Instruction Manual to perform this operation in Explorer.
* [xxx] of folder names and [YYYY] of image names represent a number.

Selecting the Image Display Mode

You can change the size or method and sort images according to a selected condition.

Selecting the Thumbnail Size

The available image sizes are [Large thumbnail], [Middle thumbnail], and [Small thumbnail]. Various information (p.1-3) is displayed in the display frame.

Select [View] menu ▶ Select the size to be set.

→ The images are displayed in the selected size.

Displaying Shooting Information

You can display the brightness histogram and the shooting information for images.

Select [View] menu ▶ [Thumbnail with information].

→ The images with attached shooting information are displayed.

Adding a Thumbnail of the Image

You can create new thumbnails to use for display in the main window, and add to each image. The images will be displayed in the main window quicker and the quality of the images will increase.

Select the image and then select [File] menu ▶ [Add thumbnail to image and save].

! A large number of images may take some time to add.

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Sorting Images

You can sort images according to a condition you select.

Select [View] menu ▶ [Sort] ▶ Select the condition to be set.

→ The images are sorted according to the selected condition.

[File name] : File names are sorted in alphanumeric order (0 to 9 → a to z).

[RAW priority] : Displayed in the following order:
RAW images (CR2 → CRW → TIF) → RGB images (JPG → TIF)
If multiple images have the same extension, they are sorted in order of [File name].

[Check mark1] : Displayed in the following order:
check-marked images with selected number → check-marked images with other numbers → images without check marks
If multiple images have the same check mark number, they are sorted in order of [File name].

[Shooting Date/Time] : Sorted by shooting date and time. If multiple images were taken on the same date and time, they are sorted in order of [File name].

 The order of [Check mark 1] to [Check mark 3] is as follows: when you are using all check marks 1 to 3, and if you have selected [Check mark 1], the order of check marks is 1 → 2 → 3. If you have selected [Check mark 2], the order of check marks is 2 → 1 → 3, and if you have selected [Check mark 3], the order of check marks is 3 → 2 → 1.

Displaying Image Information

You can check various information for images.

Select an image and then select [File] menu ▶ [Info].

→ The image information dialog box appears.

● Clicking the [Close] button closes the dialog box.

 Image information may not appear for JPEG images set to Adobe RGB and shot with the EOS 10D, EOS DIGITAL REBEL/300D DIGITAL or PowerShot Pro1.

Displaying the Edit Window

You can enlarge the image and perform detailed edits.

Double-click an image.

→ The edit window appears.

● See “Performing Detailed Edits in the Edit Window” (p.2-1) for the information on the edit window.

Displaying the Edit Image Window

You can select one image from multiple images and perform detailed edits.

Select multiple images and then click the [Edit image window] button.

→ The main window switches to the edit image window.

● See “Performing Detailed Edits in the Edit Image Window” (p.3-1) for the information on the edit image window.



Displaying the Quick Check Window

You can individually display images in a larger size and can quickly view and check each image.

Select multiple images and then select the [Tools] menu ▶ [Start Quick check tool].

→ The quick check window appears.

● See “Checking an Image in the Quick Check Window” (p.4-1) for the information on the quick check window.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

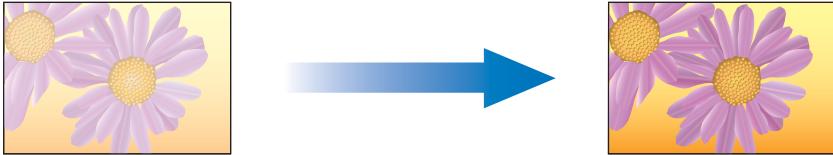
Shortcut Key List

Index



Editing RAW Images with RAW Image Adjustment Functions

You can perform various edits on the RAW images. When edited with the RAW image adjustment function (p.1-7 to p.1-10), there is almost no deterioration which accompanies image editing. You can therefore edit an image multiple times while preserving the image quality at the time the image was shot.



1 Select a RAW image.

2 Edit the RAW image (p.1-7 to p.1-10).

- You can apply edits to other images by copying and pasting the editing data to the other images (p.1-15).
- You can revert edited images to the last saved settings or shot settings (p.1-17).

3 Save the editing data to the image (p.1-17).

- You can convert an edited RAW image into an RGB (JPEG, TIFF) image and save it (p.1-18).

- ! ● You cannot edit PowerShot Pro1 RAW images.
- You cannot edit RGB (JPEG, TIFF) images with the RAW image adjustment function.
- If you exit Digital Photo Professional before saving editing data to images, editing data applied to images will not be saved. Be sure to exit after saving editing data to images (p.1-17).

- When multiple images are selected, the edits are applied to all the selected images.
- The editing data can be saved in a separate file (p.1-15).
- The edited images can be transferred to image editing software (p.1-21).
- Editing of RAW images with the RAW image adjustment function (p.1-7 to p.1-10) is recommended as there is almost no deterioration of the image which accompanies editing. Although there is a similar function in the RGB image adjustment function (p.1-11), there is slight picture deterioration with editing. Therefore, where editing only with the RAW image adjustment function is insufficient, efficient RAW image editing which keeps image deterioration to a minimum can be performed by additionally using the RGB image adjustment function.
- Editing data performed with Digital Photo Professional has not directly edited the image, but displays the image by applying virtual editing data (a recipe) (p.1-15). Therefore, you can recover the image which was shot or the image which was last saved (p.1-17) and editing can be performed any number of times.
To create an image which you have directly edited according to editing data, convert/save the image as a different image from the edited image (p.1-18). Since the image created by this procedure is edited directly, the image before editing cannot be recovered.

Adjusting the White Balance

You can set the white balance with each method.

1 Click the [White balance] button (p.1-2).

- The [White balance adjustment] dialog box appears.
- Alternatively, you can display this dialog box by selecting [Adjustment] menu ▶ [White Balance].

2 Adjust the white balance by making each setting (p.1-8, p.1-9).

- To revert to the condition before image adjustment, click the [Reset] button.

3 Click the [Close] button.

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

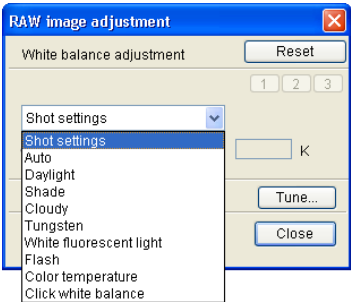
Index



Selecting the White Balance

You can specify the white balance.

Select the white balance from the list box.

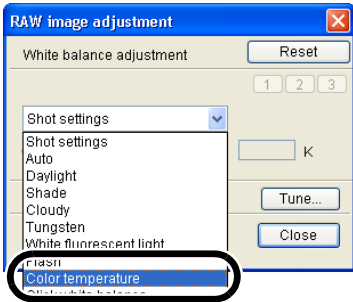


White Balance	Details	Color Temp. K (Kelvin)
Shot settings	To apply the white balance setting used when the shot was taken.	—
Auto	Automatically adjusts the white balance.	Approx. 3000 to 7000
Daylight	For sunny daylight outdoors.	Approx. 5200
Shade	For shaded areas outdoors.	Approx. 7000
Cloudy	For cloudy or hazy days and during sunset.	Approx. 6000
Tungsten	For tungsten (light bulb) light.	Approx. 3200
White fluorescent light	For white fluorescent light.	Approx. 4000
Flash	When flash is used.	Approx. 6000
Color temperature	You can manually set color temperature for 2800 to 10000K (in 100K increments).	Approx. 2800 to 10000
Click white balance	Displayed for images on which you performed the click white balance (p.1-9).	—

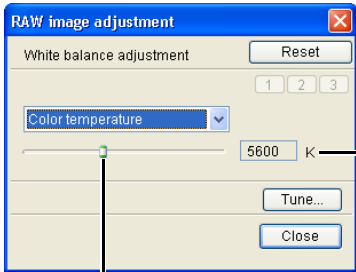
Specifying the Color Temperature

You can specify the color temperature in the range of 2800 to 10000K (in 100K increments).

1 Select [Color temperature] from the list box.



2 Adjust an image while viewing it.



Drag the slider left or right to adjust the color temperature.

The adjusted value appears.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



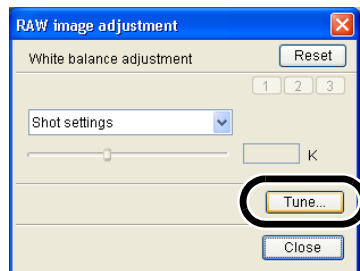
Adjusting with the Color Wheel

You can select a desired color from the color wheel.

You can also specify the color tone in the range of 0 to 359 (in 1-stop increments), and the color saturation in the range of 0 to 255 (in 1-stop increments).

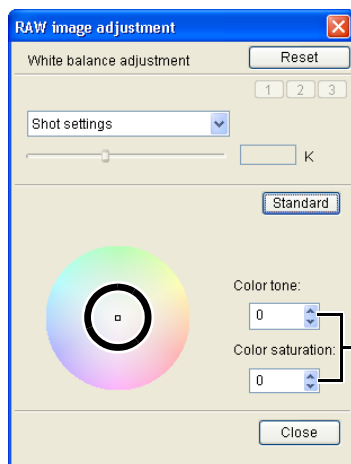
1 Click the [Tune] button.

→ The color wheel appears.



2 Adjust an image while viewing it.

● Drag [□] to adjust an image.



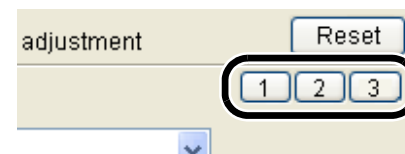
You can enter a value or click the [▲] / [▼] buttons to specify the color tone and color saturation.

Personal White Balance

You can apply the personal white balance (p.2-5) that you registered in the edit window or the edit image window to images.

Click the [1], [2] or [3] button.

→ The registered personal white balance is applied to the image.



! You cannot use the personal white balance if you have not registered it.

Click White Balance Function

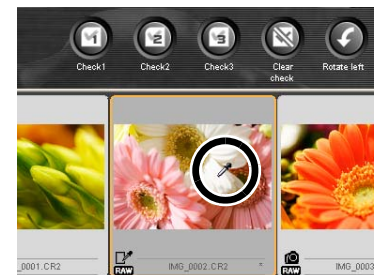
Makes white the standard for the point you selected and color in the image is adjusted.

1 Click the [Click (RAW)] button (p.1-2).

→ When you move the cursor over the image, the cursor [↔] changes to [↗].

2 Click the point where is to be the standard.

- The color in the image is adjusted with white as the standard on the point you selected.
- If you click on another point over the image, the white balance is adjusted again.
- To finish Click White Balance, click the right button on the mouse or click the [Click (RAW)] button.



- The coordinates of the cursor position and the RGB values (8-bit conversion) of the image are displayed in the lower-left of the main window (p.1-2).
- The image is adjusted based on the value of 1 × 1 pixels from the clicked point.
- Even if you have selected a neutral gray point of the image, the result of adjustments is the same as when you select a white point.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index

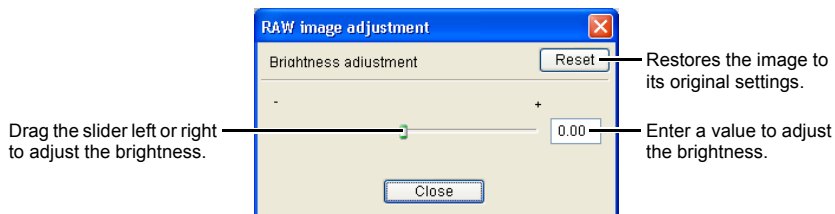
Adjusting the Brightness

You can adjust the brightness in the range of -2.0 to +2.0 (in 0.01-stop increments when entering a value).

1 Click the [Brightness (RAW)] button (p.1-2).

- The [Brightness adjustment] dialog box appears.
- Alternatively, you can display this dialog box by selecting [Adjustment] menu ▶ [Brightness adjustment(RAW)].

2 Adjust an image while viewing it.



3 Click the [Close] button.

Setting Color Space Different from Default Settings

For the color space of an RGB (JPEG, TIFF) image converted from a RAW image and saved as a separate image (p.1-18), the color space set in [Default settings of Work color space] (p.1-26) in the preferences is applied. To set up a color space different from the default settings, set up a color space individually for each image.

Select [Adjustment] menu ▶ [Work color space] ▶ Select a color space to be set.

- The selected color space is set.

! You can change the color space of an RGB (JPEG, TIFF) image in the same way as a RAW image. However, an RGB (JPEG, TIFF) image does not have same degree of flexibility as a RAW image. Therefore, where you have changed the color space of a JPEG image set up in Adobe RGB to a narrower color area than Adobe RGB, such as sRGB, the color of the image accurately changes. However, where you have set up a JPEG image set in sRGB in Adobe RGB or Wide Gamut RGB etc. which has a wider color area than sRGB, the color of the image does not change accurately as you cannot expand the color area.



- A color space is the reproducible color range (the characteristics of color gamut). Digital Photo Professional supports the following 5 kinds of color space.

sRGB : Standard color space for Windows. Widely used for the standard color space of monitors, digital cameras, and scanners.

Adobe RGB : A wider color space than sRGB. Mainly used for printing for business purposes.

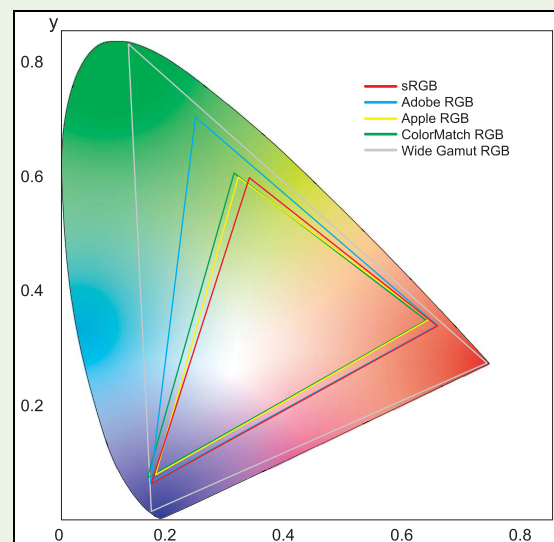
Apple RGB : Standard color space for Macintosh. A slightly wider color space than sRGB.

ColorMatch RGB : A slightly wider color space than sRGB. Mainly used for printing for business purposes.

Wide Gamut RGB : A wider color space than Adobe RGB.

- Refer to the color chart below for the color area of each color space.

Color chart of color spaces compatible with Digital Photo Professional



		Gamma value	White point (color temp.)
	sRGB	2.2	6500K(D65)
	Adobe RGB	2.2	6500K(D65)
	Apple RGB	1.8	6500K(D65)
	ColorMatch RGB	1.8	5000K(D50)
	Wide Gamut RGB	2.2	5000K(D50)

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

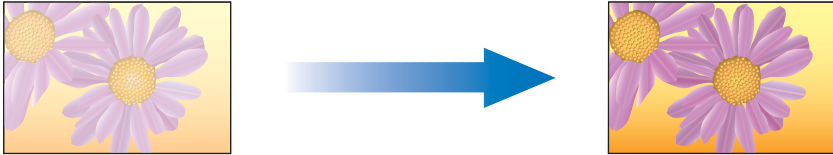
Index



Editing Images with RGB Image Adjustment Functions

You can perform various edits on the RAW and RGB (JPEG, TIFF) images.

When edited with the RGB image adjustment function, the image deteriorates slightly with editing. When you use the RGB image adjustment function, edit the image while checking changes in the image quality which accompanies editing.



1 Select an image.

2 Edit the image.

- You can apply edits to other images by copying and pasting the editing data to the other images (p.1-15).
- You can revert edited images to the last saved settings or shot settings (p.1-17).

3 Save the editing data to the image (p.1-17).

- You can convert an edited RAW image into an RGB (JPEG, TIFF) image and save it (p.1-18).
- You can save an edited RGB (JPEG, TIFF) image as a separate image (p.1-18).

! If you exit Digital Photo Professional before saving editing data to images, editing data applied to images will not be saved. Be sure to exit after saving editing data to images (p.1-17).

- When multiple images are selected, the edits are applied to all the selected images.
- The editing data can be saved in a separate file (p.1-15).
- The edited images can be transferred to image editing software (p.1-21).
- Editing of RAW images with the RAW image adjustment function (p.1-7 to p.1-10) is recommended as there is almost no deterioration of the image which accompanies editing. Although there is a similar function in the RGB image adjustment function, there is slight picture deterioration with editing. Therefore, where editing only with the RAW image adjustment function is insufficient, efficient RAW image editing which keeps image deterioration to a minimum can be performed by additionally using the RGB image adjustment function.
- Editing data performed with Digital Photo Professional has not directly edited the image, but displays the image by applying virtual editing data (a recipe) (p.1-15). Therefore, you can recover the image which was shot or the image which was last saved (p.1-17) and editing can be performed any number of times. To create an image which you have directly edited according to editing data, convert/ save the image as a different image from the edited image (p.1-18). Since the image created by this procedure is edited directly, the image before editing cannot be recovered.

Automatically Adjusting the Tone Curve (Tone Curve Assist)

You can automatically adjust the tone curve (p.2-9) of an image and adjust an image to a standard image brightness and color.

Select the [Adjustment] menu ▶ [Tone curve assist].

→ The image is adjusted.

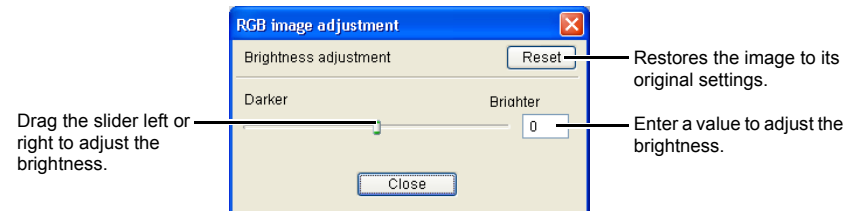
! Depending on the image, there may be cases where standard brightness and color are not adjusted. If this happens, you should edit the image with the tone curve adjustment function (p.2-9).

Adjusting the Brightness

You can adjust the brightness of an image in the range of -100 to +100 (in 1-step increments when entering a value).

1 Select [Adjustment] menu ▶ [Brightness adjustment].
→ The [Brightness adjustment] dialog box appears.

2 Adjust an image while viewing it.



3 Click the [Close] button.

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Trimming Images Using the Trimming Function

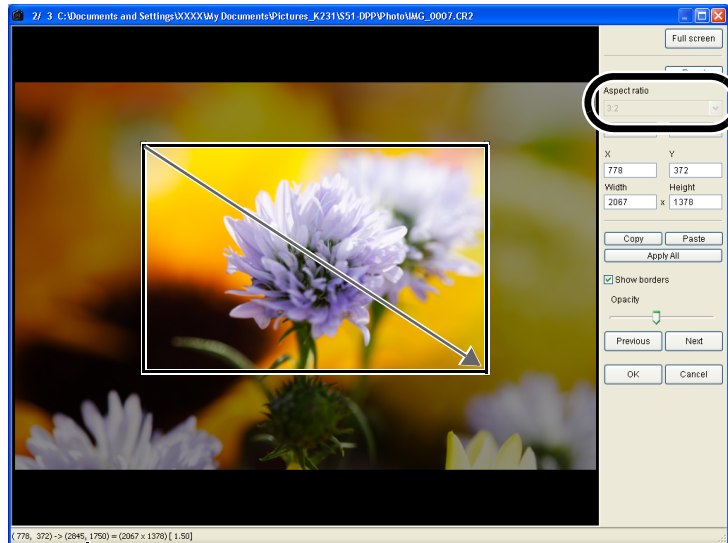
You can trim an image within your desired range.

1 Select the [Tools] menu ▶ [Start Trimming tool].

→ The trimming window appears.

2 Trim the image.

- Select a ratio from the [Aspect ratio] list box, and drag the trimming range as shown in the diagram.



Displays the coordinate position of the cursor.
When you have trimmed an image, the upper left and lower right XY coordinates, width, height and aspect ratio of the trimmed range are displayed.

- If you move the cursor in the trimmed range, the [↔] changes to [↕]. You can move the trimmed range by dragging.
- If you move the cursor to the four corners of the trimmed range, the [↖] changes to [↗] or [↘]. You can change the trimmed range size by dragging.
- When [Free] is selected in the [Aspect ratio] list box, move the cursor to all four sides of the trimmed range and [↕] will change to [↔] or [↔]. The size of the trimmed range can be changed by dragging.

! ● A trimmed image is in fact not actually trimmed as the trimmed area data is simply saved in the image. Only when the image is saved as a separate file (p.1-18) does it become trimmed.

- The information for the range which has been trimmed cannot be applied to another image as a recipe. Use the [Copy] and [Paste] buttons and apply the trimmed range individually to an image.
- The trimmed range is only displayed in the trimming window.

Displays the full screen. To return to the original view, click this button again or press the <Esc> key on the keyboard.
To switch between full screen display/normal screen display, press the <F11> key or the <Alt> + <Enter> keys on the keyboard.

Full screen

Reset

Cancels the trimmed range.

Aspect ratio

3:2

Select the vertical/horizontal ratio of the trimming range.

3

:

2

Displays the ratio selected from the [Aspect ratio] list box. You can also enter your own ratio when you select [Custom] from the [Aspect ratio] list box.

X

Y

778

372

Displays the upper left coordinates of the trimmed range. You can also set the coordinates by entering your desired numbers.

Width

x

Height

2067

x

1378

Displays the size of the trimmed range. You can also set the size by entering your desired numbers.

Copy

Paste

Copies the trimmed range.

The trimming range copied from another image is applied to the image displayed.*

Apply All

Displays borders around the trimmed range.

Show borders

The copied trimming range is applied to all images selected when the trimming window was started up.

Drag the slider left or right to set the level of opacity outside the trimming range.

Opacity

Previous

Next

Displays the next image.*

Displays the previous image.*

OK

Cancel

Applies the settings and closes the window.

Cancels all settings and closes the window.

* Functions when you have selected multiple images and the trimming windows are displayed.

3 Click the [OK] button.

4 Save the trimmed image as a separate image (p.1-18).

→ The trimmed image is saved as a separate image.

- You can also set the [Aspect ratio] and switch between full screen/normal screen from the menu that appears by clicking on the image with the right button on the mouse.
- For information on shortcut keys, refer to the "Shortcut Key List" (p.5-3).

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Correcting Images Using the Copy Stamp Function

You can correct an image using the repair function or the copy stamp function.

Correcting an Image Using the Repair Function

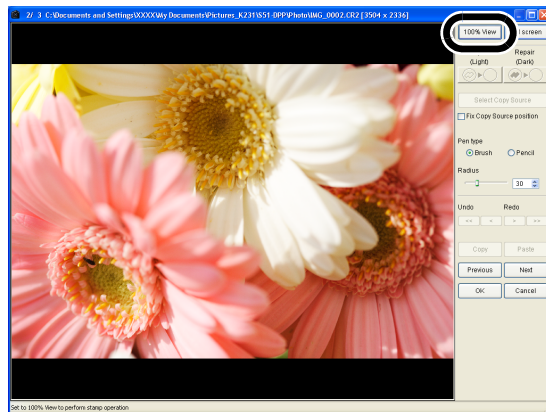
You can correct an image so that unwanted spots (spots you want to delete) on the image blend with surrounding color.

1 Select the [Tools] menu ▶ [Start Stamp tool].

→ The copy stamp window appears.

2 Click the [100% View] button.

→ The image is displayed in the 100% view.



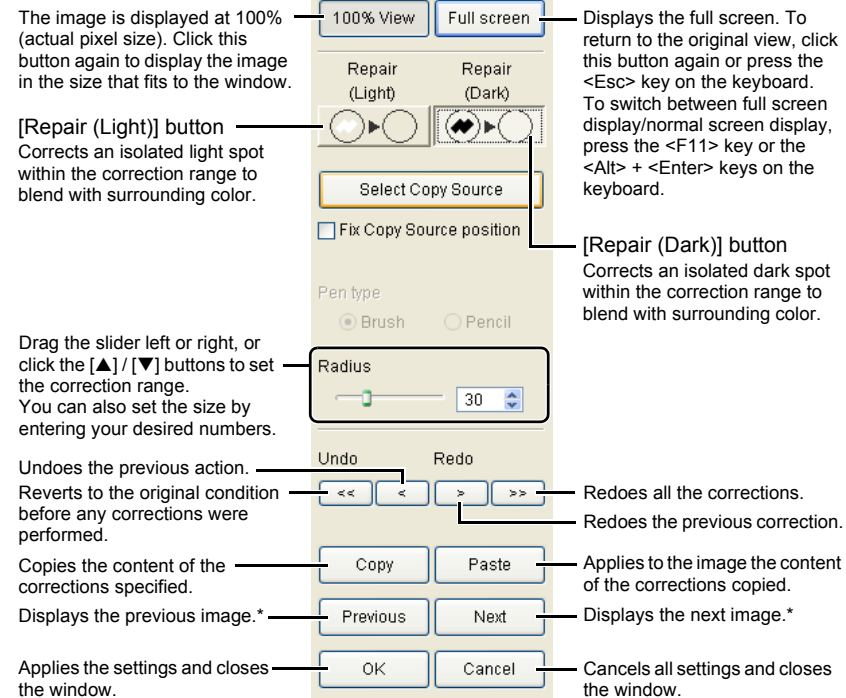
3 Display the section you want to correct.

- Drag the image to display the section you want to correct.

4 Click the [Repair (Light)] button or the [Repair (Dark)] button.

- When the unwanted spot (spot you want to delete) is light in color, click the [Repair (Light)] button and when it is dark in color, click the [Repair (Dark)] button.
- Move the cursor over the image and the correction range is displayed as [O].

- ! ● The content of corrections cannot be applied to another image as a recipe. Apply the corrections to another image individually using the [Copy] and [Paste] buttons.
- The content of corrections is only displayed in the copy stamp window.



* Functions when you have selected multiple images and the copy stamp windows are displayed.

5 Cover the unwanted spot in the image with the correction range [O] and click.

- The unwanted spot within the correction range is corrected.
- When the image cannot be corrected, [X] is displayed.
- If you then click on another section of the image, the unwanted spots within the selected correction range are corrected.
- To correct another section of the image, cancel the repair function by clicking the right button on the mouse or clicking the [Repair (Light)] button or the [Repair (Dark)] button, and perform the operation from step 3 again.

6 Click the [OK] button.

- In step 2, you can double-click on the section you want to correct to display the 100% view. You can also double-click again to return to the original view.
- When you have corrected several places in an image, you can reconfirm the content of your correction. Press <Shift + B> on the keyboard to display the previous correction and press <Shift + F> to display the next correction. Also, when the content of corrections is copied and pasted to another image, press <Ctrl+ B> on the keyboard to display the previous pasted correction and press <Ctrl + F> to display the next pasted correction.
- For information on shortcut keys, refer to the "Shortcut Key List" (p.5-3).

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Correcting an Image Using the Copy Stamp Function

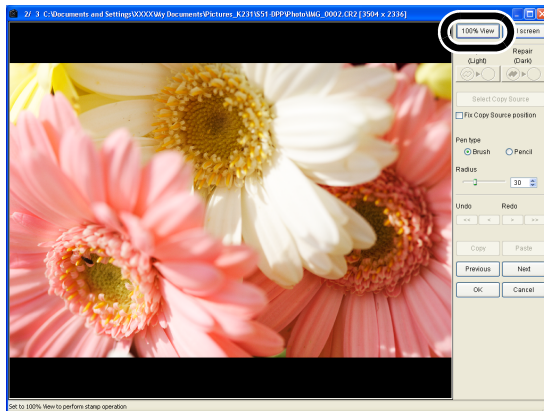
You can correct an image by pasting a section copied from another part to an unwanted part of the image.

1 Select the [Tools] menu ► [Start Stamp tool].

- The copy stamp window appears.

2 Click the [100% View] button.

- The image is displayed in the 100% view.



3 Display the section you want to correct.

- Drag the image to display the section you want to correct.

4 Specify the section to copy.

- Click the [Select Copy Source] button and then click the section to copy.
- To change the copied section, repeat the above procedure.

- ! ● The content of corrections cannot be applied to another image as a recipe. Apply the corrections to another image individually using the [Copy] and [Paste] buttons.
- The content of corrections is only displayed in the copy stamp window.

The image is displayed at 100% (actual pixel size). Click this button again to display the image in the size that fits to the window.

100% View Full screen

Displays the full screen. To return to the original view, click this button again or press the <Esc> key on the keyboard. To switch between full screen display/normal screen display, press the <F11> key or the <Alt> + <Enter> keys on the keyboard.

Repair (Light) Repair (Dark)

Select Copy Source

Specifies the section to copy. Only functions with [100% View].

Fix the position of copy source.

Fix Copy Source position

You can select the pen type. With [Brush] selected, the pasted image's borders simulate a brush. With [Pencil] selected, the pasted image's borders are sharp.

Pen type

Brush Pencil

Radius

30

Drag the slider left or right, or click the [▲] / [▼] buttons to set the size (radius) of the image to be pasted. You can also set the size by entering your desired numbers.

Undoes the previous action. Reverts to the original condition before any corrections were performed.

Undo Redo

<< < > >>

Redoes all the corrections. Redoes the previous correction.

Copies the content of the corrections specified.

Copy Paste

Applies to the image the content of the corrections copied.

Displays the previous image.*

Previous Next

Displays the next image.*

Applies the settings and closes the window.

OK Cancel

Cancels all settings and closes the window.

* Functions when you have selected multiple images and the copy stamp windows are displayed.

5 Correct the image.

- Click or drag on the section you want to correct on the image. [+] in the window indicates the copy origin, and [O] indicates the copy destination.
- The copied image is pasted in the position where you dragged.

6 Click the [OK] button.

- In step 2, you can double-click on the section you want to correct to display the 100% view. You can also double-click again to return to the original view.
- In step 4, you can also specify the section to copy by holding down the <Alt> key and clicking.
- When you have corrected several places in an image, you can reconfirm the content of your correction. Press <Shift + B> on the keyboard to display the previous correction and press <Shift + F> to display the next correction. Also, when the content of corrections is copied and pasted to another image, press <Ctrl + B> on the keyboard to display the previous pasted correction and press <Ctrl + F> to display the next pasted correction.
- For information on shortcut keys, refer to the "Shortcut Key List" (p.5-3).

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

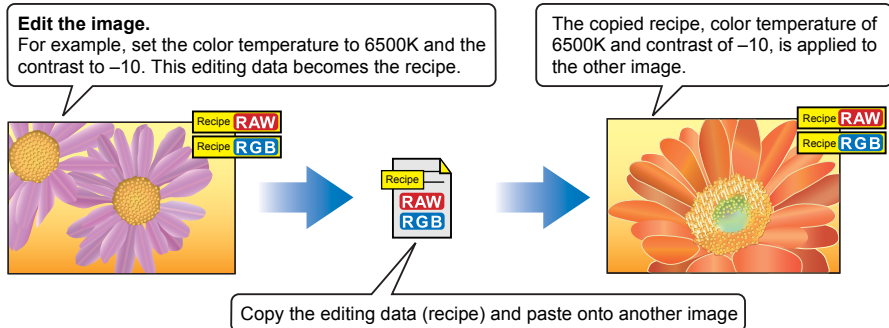
Shortcut Key List

Index



Using Edits (Recipe)

Editing data applied to an image can be copied and applied to another image, saved as a separate file from the image, and loaded and applied to another image. In Digital Photo Professional, editing data is referred to as “recipe”.

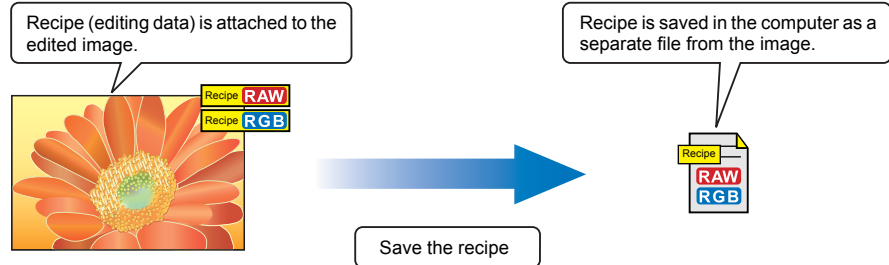


Recipe RAW : Shows the RAW image adjustment recipe (editing data).

Recipe RGB : Shows the RGB image adjustment recipe (editing data).

Saving the Recipes

Recipe of the edited image can be saved as a separate file from the image.



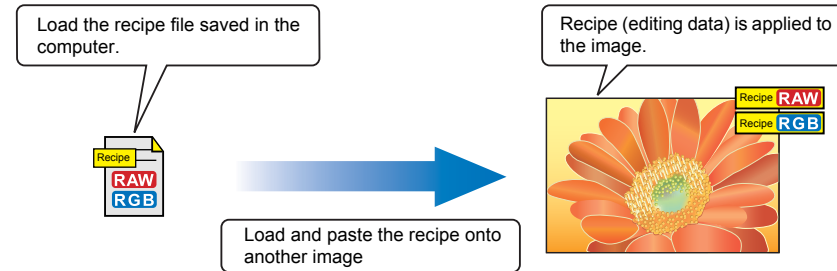
1 Select an image and then select [Edit] menu ▶ [Save recipe in file].
→ The [Save As] dialog box appears.

2 Select the destination folder, enter the file name, and then click the [Save] button.

- ! When you select [Save recipe in file], only recipe (editing data) is saved as a separate file. If you wish to save the image to which the edits were applied, see “Saving the Editing Data to the Image” (p.1-17).
- Image rotation (p.1-2), trimming (p.1-12) and image correction (repair, copy stamp) (p.1-13, p.1-14) are not included in recipe.

Loading and Pasting Recipes

Recipe file saved in the computer can be load and applied to the other image.



1 Select an image to which the recipe will be applied and then select [Edit] menu ▶ [Read and paste recipe from file].

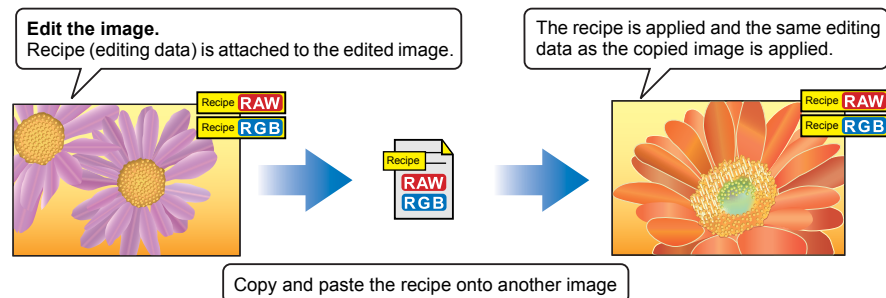
→ The [Open] dialog box appears.

2 Select a recipe and click the [Open] button.

→ The recipe is applied to the image.

Copying Recipes and Applying to Other Images

Recipe of the edited image can be copied and applied to the other image.



1 Select the image from which a recipe will be copied and then select [Edit] menu ▶ [Copy recipe to clipboard].

→ The recipe is copied.

2 Select the image to which the recipe will be applied and then select [Edit] menu ▶ [Paste recipe to selected image].

→ The recipe is applied to the image.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

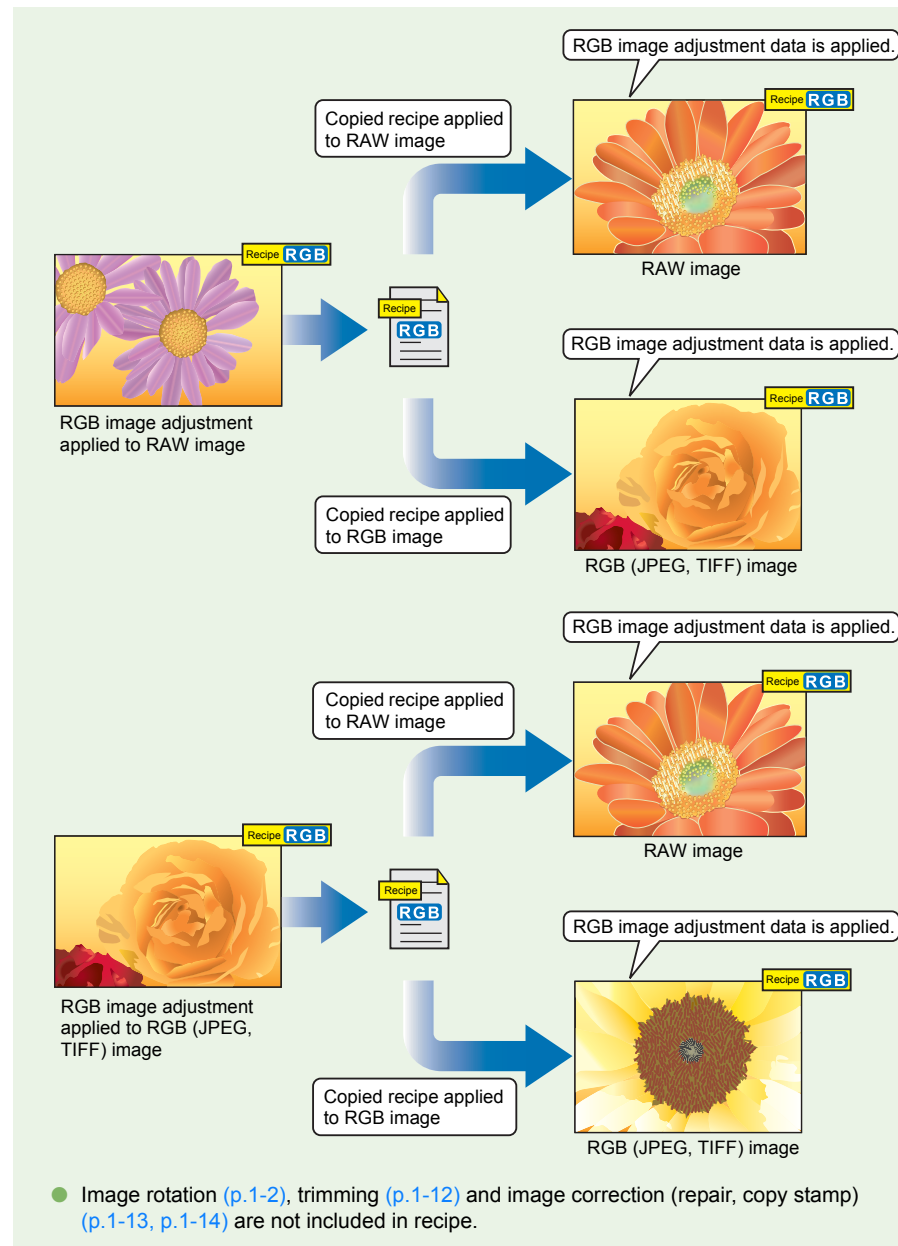
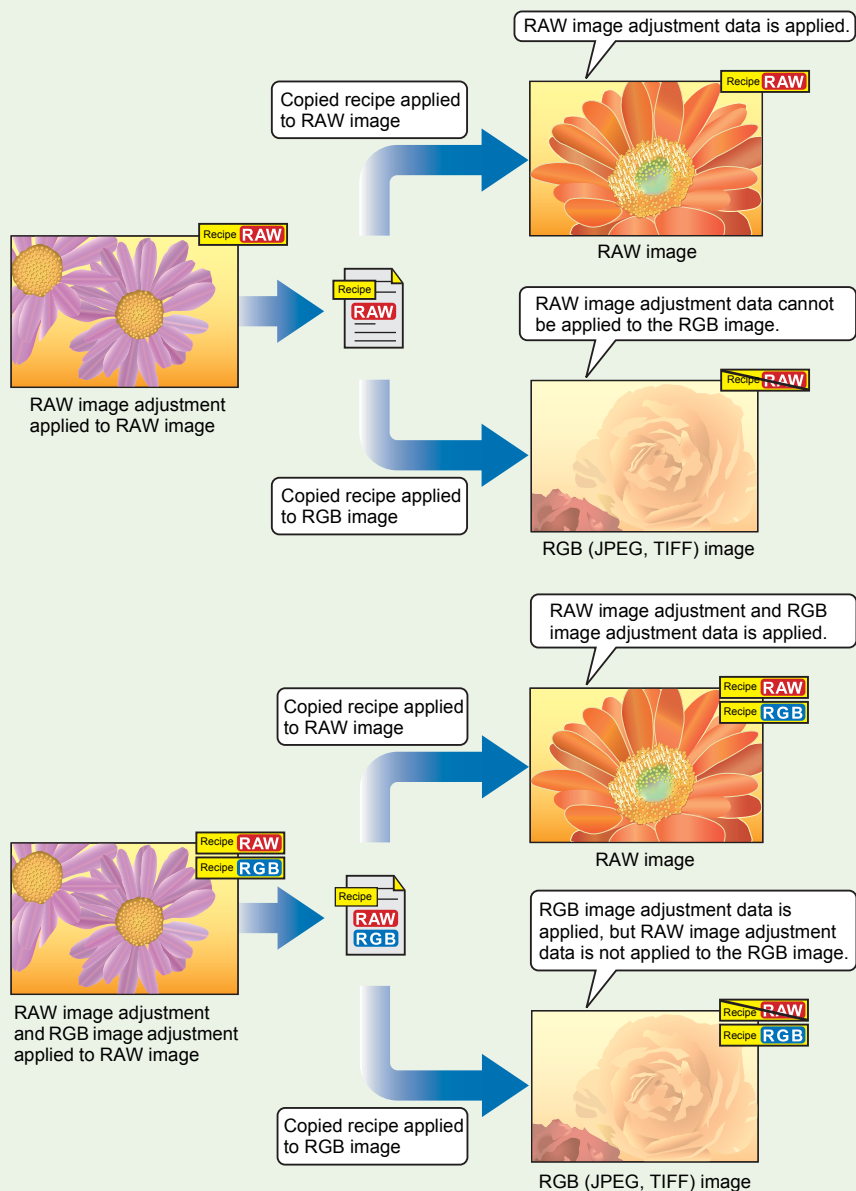
Index



● When you copy a recipe and apply it to another image, the recipe is applied as follows depending on the image type.

Recipe RAW : Shows the RAW image adjustment recipe (editing data).

Recipe RGB : Shows the RGB image adjustment recipe (editing data).



Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

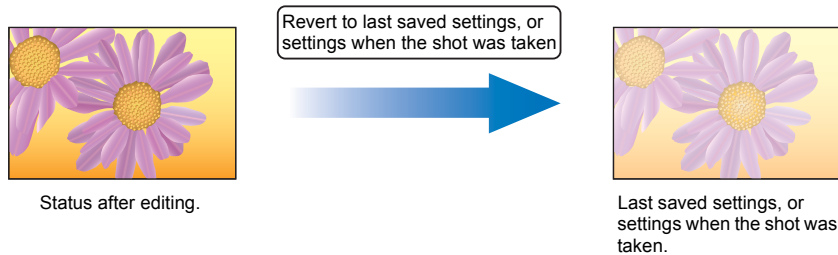
Shortcut Key List

Index



Reverting Edited Images to Their Original Condition

You can cancel all the edits for images, and revert the edited images to their original settings before being edited or when shots were taken.



Reverting to Last Saved Settings

Select an image and then select [Adjustment] menu ▶ [Revert to last saved settings].

! If you select multiple images, all the edited images that you selected are reverted to the last saved settings.

Reverting to Shot Settings

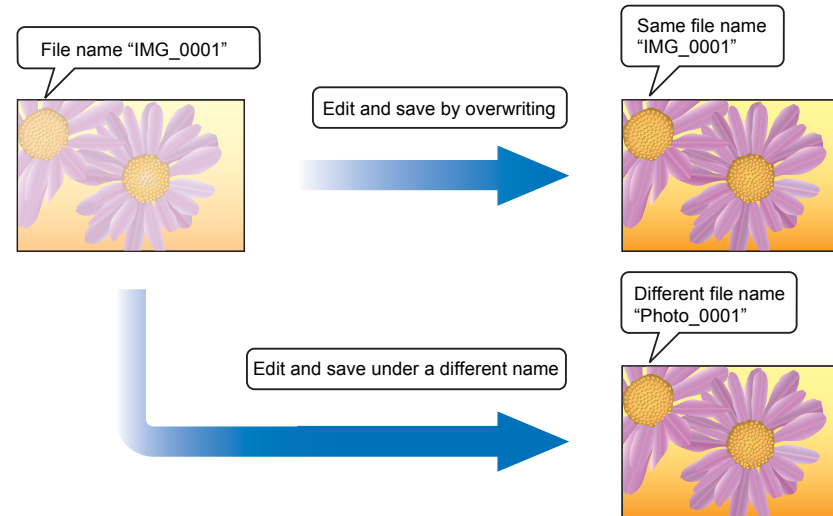
Select an image and then select [Adjustment] menu ▶ [Revert to shot settings].

! If you select multiple images, all the edited images that you selected are reverted to the shot settings.

Saving the Editing Data to the Image

You can save editing data (a recipe) in an image.

Editing data performed with Digital Photo Professional has not directly edited the image, but displays the image by applying virtual editing data (a recipe) (p.1-15). With the operations on this page, you can save editing data (a recipe) in an image, but you have not directly edited the image. To create an image directly edited according to editing data, refer to "Converting an Edited Image/Saving as a Separate Image" (p.1-18).



Saving by Overwriting

Select an image and then select [File] menu ▶ [Add recipe and save].

Saving the Image with a Different Name

- 1 Select an image and then select [File] menu ▶ [Add recipe and save as].
→ The [Save As] dialog box appears.
- 2 Select the destination folder, enter the file name, and then click the [Save] button.

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Converting an Edited Image/Saving as a Separate Image

You can apply editing data to an edited RAW image and convert it to an RGB (JPEG, TIFF) image or save it as a separate image.
You can also apply editing data to an edited RGB image and save as a separate image.

- Editing data performed with Digital Photo Professional has not directly edited the image, but displays the image by applying virtual editing data (a recipe) (p.1-15). Therefore, to create an image which you have edited directly according to editing data, convert/save the edited image as a separate image by following the operations on this page.

Converting a Single Image/Saving as a Separate Image

- 1 **Select an image and then select [File] menu ▶ [Convert and save].**
→ The [Save As] dialog box appears.
- 2 **Specify the settings and click the [Save] button.**
→ The processing window appears, allowing the image to be saved.
→ When processing is complete, the image is saved in the specified folder and the [Exit] button appears on the processing window.
- 3 **Click the [Exit] button.**

Specify the drive or folder to which the image will be saved.

Displays the contents of the drive or folder.

Enter the name of the image to be saved.

Select an image type used when the image is saved.
The image types and extensions used for the saved images are shown below.

Image Type	Extension
Exif-JPEG	.JPG
Exif-TIFF 8bit	.TIF
TIFF 16bit	.TIF

Check this checkbox to change the size of the image to be saved.

Set the width of the image.

Check this checkbox to fix the vertical/horizontal ratio of the image.

Set the height of the image.

Select a unit of measurement.

Check this checkbox to embed an ICC profile in the image to be saved.

Saves the image.

Cancels all settings and closes the window.

If you have selected [Exif-JPEG] in the [Save as type] list box, set the image quality (compression rate) with a range of 1 to 10 by dragging the slider left or right. Higher values give better JPEG image quality.

Specify a value between 1 and 60,000 dpi as the output resolution used for the image to be saved.

! If you have saved an image in which [Apple RGB], [ColorMatch RGB] or [Wide Gamut RGB] color space (p.1-10, p.1-26) has been specified, an ICC Profile is automatically embedded even if you have not checked [Embed ICC profile in image].

- You can save and rename images without editing them.
- [Resize setting] changes the image size by applying the larger numeric value set in [Width] or [Height] to the longer edge of the image.
- When you have set the tone curve to [Linear] (p.2-7), select [TIFF 16bit] and save.
- The saving function is independent of other functions. Therefore, during saving, you can perform other operations in the main, edit, and edit image windows.

- The specified preferences (p.1-26) or individually specified color space (p.1-10) are added to the ICC profile embedded in JPEG or TIFF images.
- An ICC profile contains color information, such as color properties and color spaces of devices which are authorized by International Color Consortium (ICC). With this ICC profile, many color management systems can minimize the color differences between devices.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Converting Multiple Images in a Single Operation/Saving Multiple Images as Separate Images (Batch Processing)

1 Edit an image (p.1-7 to p.1-14).

2 Select images to be converted and saved in a single operation.

3 Click the [Batch process] button (p.1-2).

- The [Batch settings] dialog box appears.
- Alternatively, you can display this dialog box by selecting [File] menu ▶ [Batch process].

4 Specify the settings.

5 Click the [Execute] button.

- The processing window appears, allowing images to be saved.
- When processing is complete, the images are saved in the specified folder and the [Exit] button appears on the processing window.

6 Click the [Exit] button.

Select an image type used when the images are saved.
The image types and extensions used for the saved images are shown below.

Image Type	Extension
Exif-JPEG	.JPG
Exif-TIFF 8bit	.TIF
TIFF 16bit	.TIF

Displays the file names of the images to be saved as a batch.

Specify a value between 1 and 60,000 dpi as the output resolution used for the images to be saved.

Check this checkbox to change the size of the images to be saved.

Set the width of the images.

Check this checkbox to fix the vertical/horizontal ratio of the images.

Select this to save images without renaming them.

Select this to rename images while saving them.

Transfers images converted/saved in a single operation to image editing software (p.1-21).

Displayed when there are no images selected and the [Batch process] button is clicked, and you can limit the images to be converted/saved to RAW images.

Specify the folder where the images are to be saved.
The specified folder name appears to the side of the [Browse] button.

If you have selected [Exif-JPEG] in the [Kind of file] list box, set the image quality (compression rate) with a range of 1 to 10 by dragging the slider left or right. Higher values give better JPEG quality.

Check this checkbox to embed an ICC profile in the images to be saved.

Select a unit of measurement.

Set the height of the images.

Specify the character string and sequence number when [New file name] is selected.

The set content is displayed as an example in [Ex.].
You can store the set sequence numbers.

Cancels all settings and closes the window.

Starts batch processing.

- ! ● You cannot save multiple images in a single operation unless you specify [Sequence number] when the [New file name] is selected for [File name].

- If you have saved an image in which [Apple RGB], [ColorMatch RGB] or [Wide Gamut RGB] color space (p.1-10, p.1-26) has been specified, an ICC Profile is automatically embedded even if you have not checked [Embed ICC profile].

- When you have performed the procedure in step 3 with no images selected, all the images displayed in the main window or the edit image window become the objects for batch saving.
- You can save and rename multiple images without editing them in a single operation.
- [Resize setting] changes the image size by applying the larger numeric value set in [Width] or [Height] to the longer edge of the image.
- The saving function is independent of other functions. Therefore, during saving, you can perform other operations in the main, edit, and edit image windows.

- The specified preferences (p.1-26) or individually specified color space (p.1-10) are added to the ICC profile embedded in JPEG or TIFF images.
- An ICC profile contains color information, such as color properties and color spaces of devices which are authorized by International Color Consortium (ICC). With this ICC profile, many color management systems can minimize the color differences between devices.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index

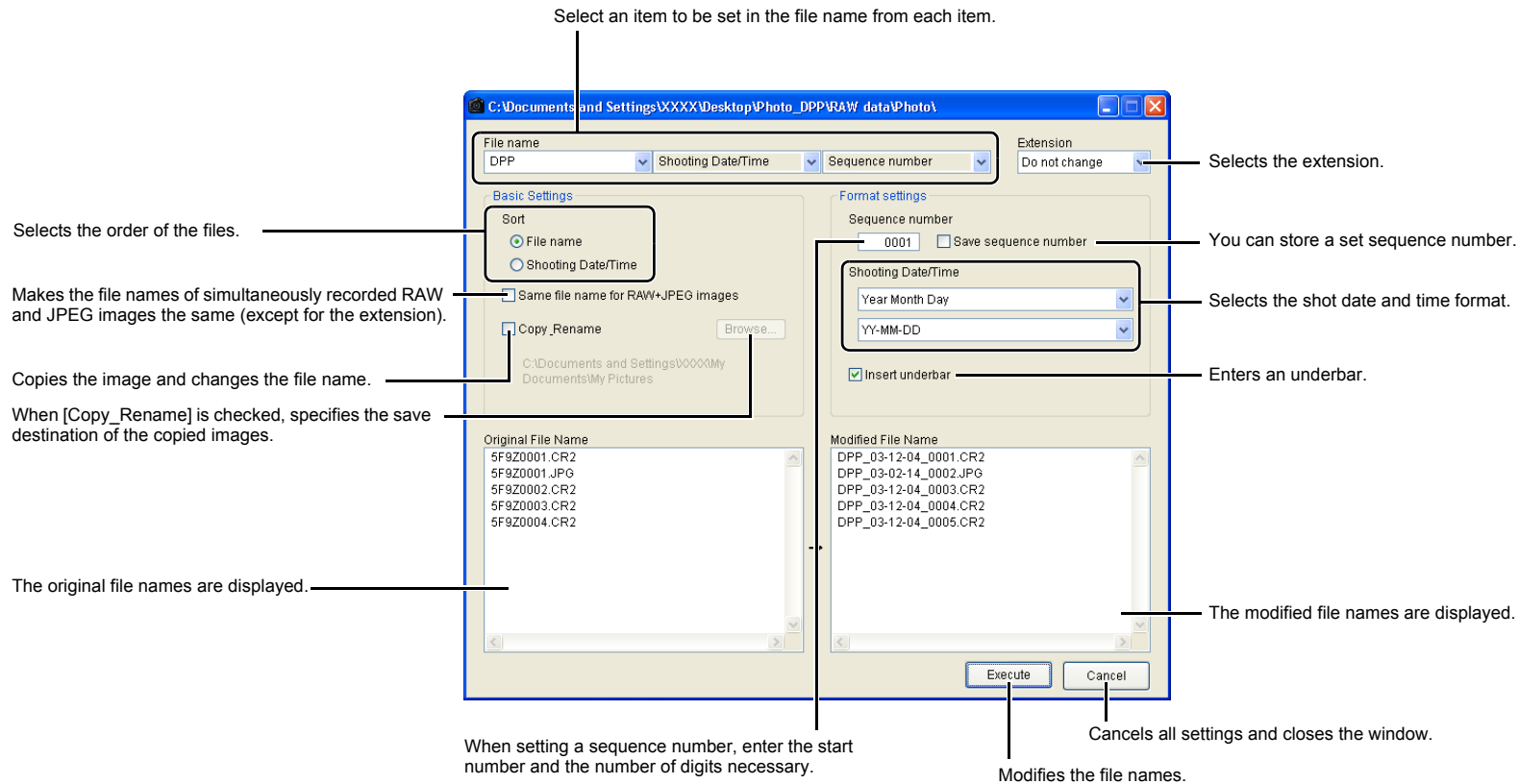
Changing File Names in a Single Operation

You can change file names in a single operation.

1 Select the images for which you want to change the file names.

2 Select the [Tools] menu ► [Start Rename tool].
→ The rename tool window appears.

3 Specify the settings and then click the [Execute] button.
→ The operation begins and the file names are changed.



! When the file name in red appears in [Modified File Name], the file names are overlapping. You cannot modify if even one file name overlaps. Set so as not to overlap.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Transferring Images to Image Editing Software

Transferring One Image to Photoshop

You can transfer an image to Adobe Photoshop.



Transfer one image to Photoshop.

1 Select the image to transfer to Photoshop.

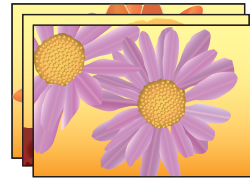
2 Select [Tools] menu ▶ [Transfer to Photoshop].

- Photoshop starts up and displays the transferred image.
- RAW images are converted to TIFF 16bit images before being transferred.

- ! In order to transfer images, you will need Adobe Photoshop.
- Compatible versions of Photoshop are CS2, CS and 7.0.
- One image can be transferred at a time. You cannot transfer multiple images at a time.
- When images are transferred, they are automatically converted to the TIFF 16bit images and the ICC profile is attached to each of them. The specified preferences (p.1-26) or individually specified work color space (p.1-10) information are added to the ICC profile, which allows Photoshop to display images including that color information.

Transferring Multiple Images to Image Editing Software

You can transfer multiple images to image editing software. The description given here use Adobe Photoshop CS, as an example.



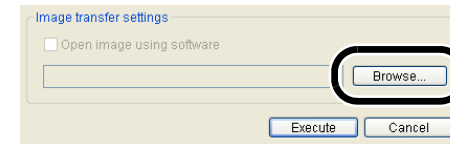
Transfer multiple images to image editing software.

1 Set convert/save in a single operation.

- Follow steps 1 to 4 of "Converting Multiple Images in a Single Operation/Saving Multiple Images as Separate Images (Batch Processing)" (p.1-19).

2 Click [Browse] button in the [Image transfer settings].

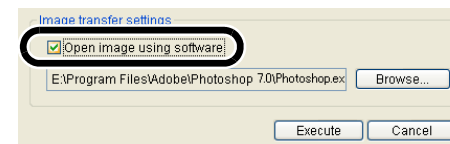
- The [Open] window appears.



3 Select the image editing software (Photoshop CS) to which you will transfer the images.

- Select [C:] drive ▶ [Program Files] ▶ [Adobe] ▶ [Photoshop CS] ▶ [Photoshop], and then click the [Open] button.
- The [Open] window closes and Photoshop CS is set in [Image transfer settings] in the [Batch settings] window.

4 Check the [Open image using software].



5 Click the [Execute] button.

- The processing window appears and saving in a single operation begins.
- When saving in a single operation is completed, Photoshop CS starts up and the transferred images are displayed.

- ! In order to transfer images, you will need image editing software such as Adobe Photoshop CS.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

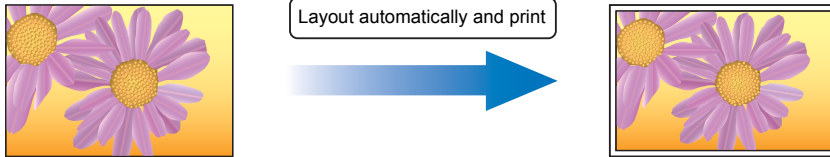
Index



Printing Images

One-Page Printing (Automatic Settings Printing)

You can automatically lay out one image on one page and print.



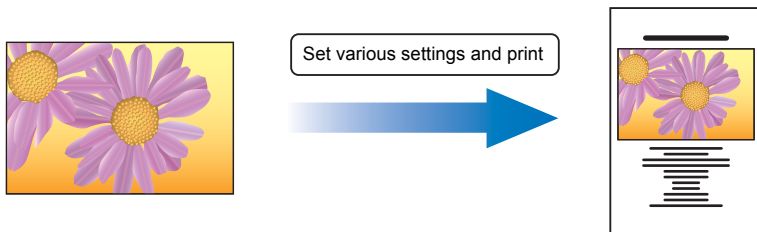
1 Select an image and then select the [File] menu ▶ [Print].
→ The [Print] dialog box appears.

2 Specify the settings and then click the [OK] button.
→ Printing begins.

- You can set a printer profile to be used for printing (p.1-26).
- If you have set CMYK simulation profile (p.1-26), the image is printed in a color tone corresponding to the specified [CMYK simulation profile].

One-Page Printing (Detailed Settings Printing)

You can specify settings, freely lay out and print one image on one page.



1 Select an image and then select [File] menu ▶ [Customized Prints].

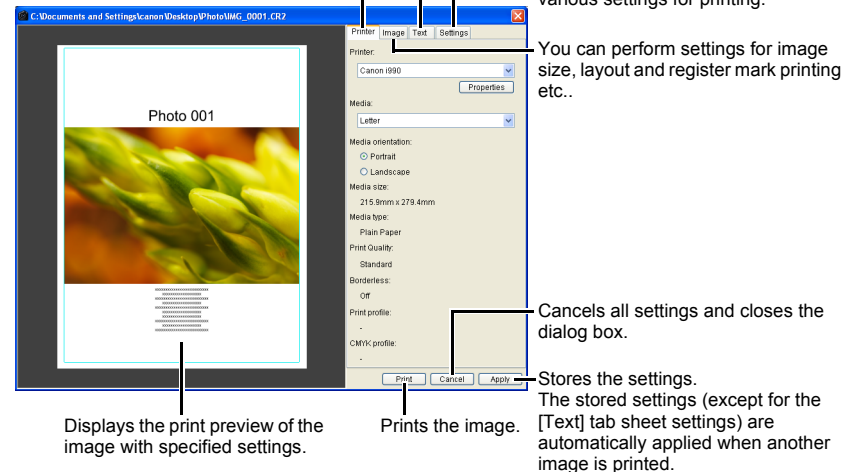
2 Specify the settings.

You can perform settings for the printer you will print on and paper etc..

You can perform settings for shooting information, title and captions etc. to be printed on the image.

You can set the setting value unit and various settings for printing.

You can perform settings for image size, layout and register mark printing etc..



- You can move the position of the image by clicking on the image and dragging. You can change the size of the image by clicking on the image, moving the cursor to a corner of the image to change the cursor to [↖] or [↗], or moving the cursor to a side of the image to change the cursor to [↕] or [↔] and then dragging.

3 Click the [Print] button.
→ Printing begins.

⚠ One image can be printed at a time.

- You can set a printer profile to be used for printing (p.1-26).
- If you have set CMYK simulation profile (p.1-26), the image is printed in a color tone corresponding to the specified [CMYK simulation profile].

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Contact Sheet Printing

You can perform the desired settings, arrange multiple images and then print.



1 Select the images and then select the [File] menu ▶ [Contact Sheet Prints].

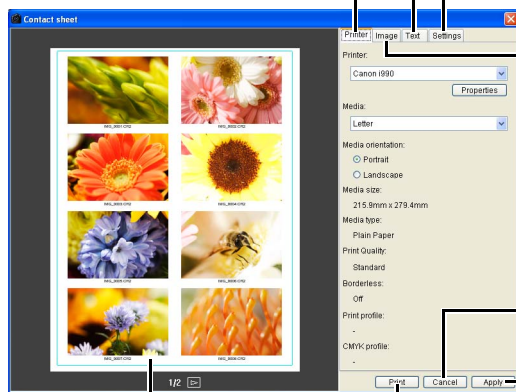
2 Specify the settings.

You can perform settings for the printer you will print on and paper etc..

You can perform settings for the captions etc. to be printed on the image.

You can set the setting value unit and various settings for printing.

You can perform settings for the number of images you will print on one page and for the layout etc..



Displays the print preview of the image with specified settings.

Prints the image.

Cancels all settings and closes the dialog box.

Stores the settings. The stored settings (except for the [Text] tab sheet settings) are automatically applied when another image is printed.

3 Click the [Print] button.

→ Printing begins.

- You can set a printer profile to be used for printing (p.1-26).
- If you have set CMYK simulation profile (p.1-26), the image is printed in a color tone corresponding to the specified [CMYK simulation profile].

Printing with Canon PIXMA/BJ Printers

For users with PIXMA/BJ printers that are compatible with the Canon PIXMA/BJ printer dedicated printing software Easy-PhotoPrint or Easy-PhotoPrint Pro, you can print with Digital Photo Professional. To print with this software, first install Easy-PhotoPrint version 2.1 or later, or Easy-PhotoPrint Pro version 1.0 or later to your computer.

Select an image and then select [File] menu ▶ [Plug-in printing] ▶ [Print with Easy-PhotoPrint] or [Print with Easy-PhotoPrint Pro].

→ Easy-PhotoPrint or Easy-PhotoPrint Pro starts up.

- In Easy-PhotoPrint, select the [File] menu ▶ [Preferences], and in the [Preferences] window, remove the check mark from the [Optimize images automatically].
- Follow the instructions displayed on the window to print images.

- ! ● When printing with Easy-PhotoPrint, if [Optimize images automatically] is enabled in Easy-PhotoPrint, you cannot print with faithful colors. Remove the check mark in [Optimize images automatically] according to the procedure above to disable.
- The specified output resolution (p.1-25), trimming (p.1-12) and CMYK simulation (p.1-26) are not applied.
- Maximum of 1000 images can be printed at a time.
- When Easy-PhotoPrint Pro is not installed in your computer, [Print with Easy-PhotoPrint Pro] is not displayed in the linked menu.

- You can set a rendering intent (matching method) when printing (p.1-26).
- When printing with Digital Photo Professional and Easy-PhotoPrint, you can print with faithful colors because the color information is interpreted correctly. In particular, when an image in which Adobe RGB color space (p.1-10, p.1-26) has been specified is edited in Digital Photo Professional and printed with Easy-PhotoPrint, the image can be printed with the wider color gamut than an image shot with sRGB color space, utilizing sufficiently the PIXMA/BJ printer's color reproduction range.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Printing with Canon Large-Format Printers

For users with Canon's Large-Format imagePROGRAF iP F5000 printers, you can print with Digital Photo Professional. To print with this software, first install the imagePROGRAF Print Plug-In version 2.0 or later to your computer.

Select an image and then select the [File] menu ▶ [Plug-in printing] ▶ [Print with L-Plug-In].

- The imagePROGRAF Print Plug-In starts up.
- Follow the instructions in the dialog box to print.

- The specified output resolution (p.1-25) and CMYK simulation (p.1-26) are not applied.
- One image can be printed at a time.
- When imagePROGRAF Print Plug-In is not installed in your computer, [Print with L-Plug-In] is not displayed in the linked menu.

- You can set a rendering intent (matching method) when printing (p.1-26).
- When printing with Digital Photo Professional and imagePROGRAF Print Plug-In, you can print with faithful colors because the color information is interpreted correctly. In particular, when an image in which Adobe RGB color space (p.1-10, p.1-26) has been specified is edited in Digital Photo Professional and printed with imagePROGRAF Print Plug-In, the image can be printed with the wider color gamut than an image shot with sRGB color space, utilizing sufficiently the Large-Format imagePROGRAF iP F5000 printer's color reproduction range.

Operating with the Remote Shooting Function

With Digital Photo Professional, you can display in the Digital Photo Professional window, real time images shot remotely with the camera communication software EOS Utility. For detailed instructions on EOS Utility, refer to the "EOS Utility Instruction Manual".

- 1 Start up Digital Photo Professional (p.1-2).**
- 2 Select the [Tool] menu ▶ [Start EOS Utility].**
 - [EOS Utility] starts up.
- 3 Connect the camera with your computer using the interface cable, and set the camera's power switch to <ON>.**
- 4 Click the [Camera settings/Remote shooting] in [EOS Utility].**
 - The camera settings dialog box appears.
- 5 Click the [] button in the camera settings window.**
 - The shot is taken.
 - The shot image is downloaded to the computer and the downloaded image is displayed in the Digital Photo Professional main window.
 - If an image does not appear in the main window of Digital Photo Professional, select the [Tools] menu ▶ [Sync folder with EOS Utility] so that the folder to which EOS Utility saves images and the folder displayed by Digital Photo Professional are synchronized.

 You can change the window so that the window that displays when you link to EOS Utility is the edit image window (p.1-25).

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Specifying Preferences

You can specify various settings for Digital Photo Professional.

1 Select [Tools] menu ▶ [Preferences].

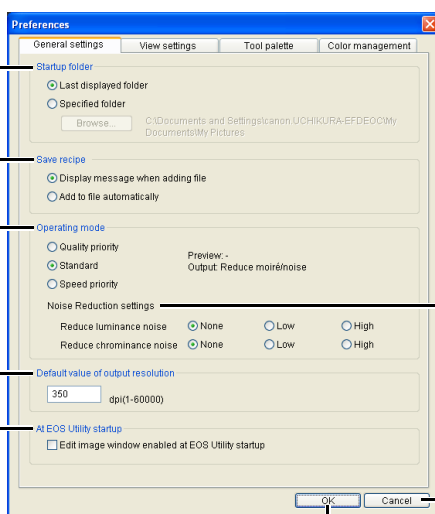
→ The [Preferences] dialog box appears.

2 Select the desired tab, specify the settings, and then click the [OK] button.

→ The settings are applied and the [Preferences] dialog box closes.

Allows you to select whether the edited image is saved automatically or the confirmation dialog box is displayed, when you exit Digital Photo Professional or change images displayed in the main window to the ones in another folder.

Allows you to select whether the folder that was open the last time is displayed or the specified folder is always displayed when Digital Photo Professional starts up.



When [Quality priority] or [Standard] is selected in [Operating mode], you can set [Reduce luminance noise] or [Reduce chrominance noise].

Cancels all settings and closes the window.

If you check this checkbox, the edit image window is displayed automatically when you start up EOS Utility.

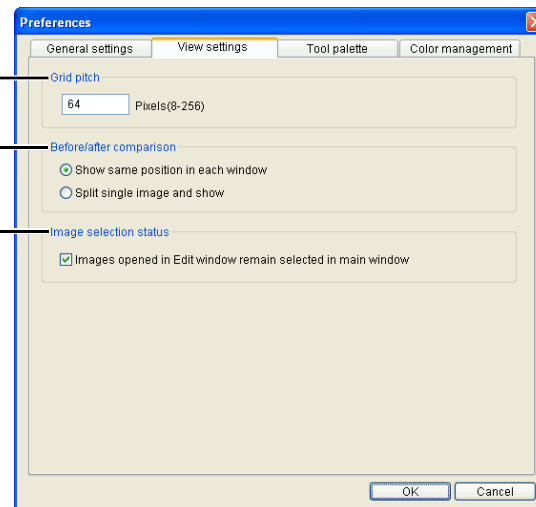
Applies the settings and closes the window.

Allows you to set the output resolution default value from 1 to 60,000 dpi when RAW images are converted to JPEG or TIFF images and saved.

You can set the image quality of images when they are displayed, and of RAW images converted to RGB (JPEG, TIFF) images.

- [Quality priority] : Noise (false color, luminance noise, chrominance noise) reduction processing is performed for both image display and converting/saving, so a more faithful image quality is achieved. However, display and converting/saving of an image takes longer.
- [Standard] : Noise (false color, luminance noise, chrominance noise) reduction processing is not performed for image display, so the display speed of an image is faster than [Quality priority]. When converting/saving, noise reduction processing is performed as in [Quality priority].
- [Speed priority] : Noise (false color, luminance noise, chrominance noise) reduction processing is not performed for either image display or converting/saving, so the image display speed is the same as for [Standard], but when saving/converting the speed is faster than [Standard].

Allows you to specify the grid spacing in a range of 8 to 256 pixels used when the grid lines (p.2-3) are displayed in the edit window or the edit image window.



If you check this checkbox, an image opened in the edit window will appear selected in the main window.

Select the display mode for displaying the edited and original images for comparison in the edit or edit image window (p.2-3).

! When [Reduce luminance noise] of [Noise Reduction settings] is set to [High] or [Low], the noise reduction included in the luminance signal (including jaggies, etc.) may decrease the resolution of some images. Further, when [Reduce chrominance noise] is set to [High] or [Low], the noise reduction included in the color signal may cause color bleeding of some images.

● [Noise Reduction settings] is an effective function to reduce noise when shooting images of night scenes or when shooting images at a high ISO speed. When checking the results of the [Noise Reduction settings] on-screen, select [Quality priority] in [Operating mode].

Luminance noise : A granular type of noise that can occur in images shot at a high ISO speed or images shot at a low ISO speed and have their brightness adjusted. This noise can also appear as jags or serrations on sloping lines.

Chrominance noise : Noise that can appear as colored smears or smudges in images shot at a high ISO speed or in the shadowed areas of images shot at a low ISO speed.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

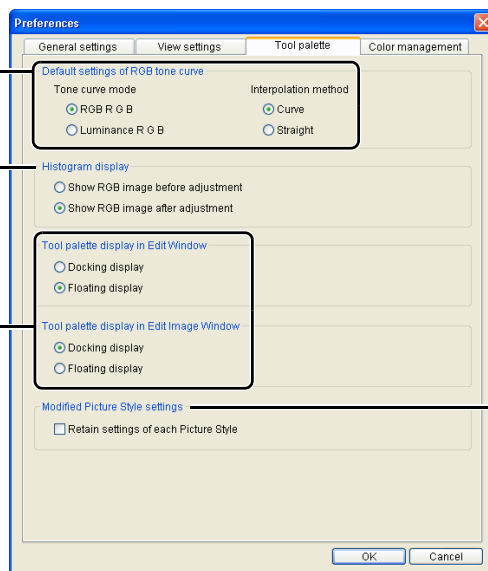
Shortcut Key List

Index



Allows you to select the histogram displayed in the [RGB image adjustment] tab sheet on the tool palette.

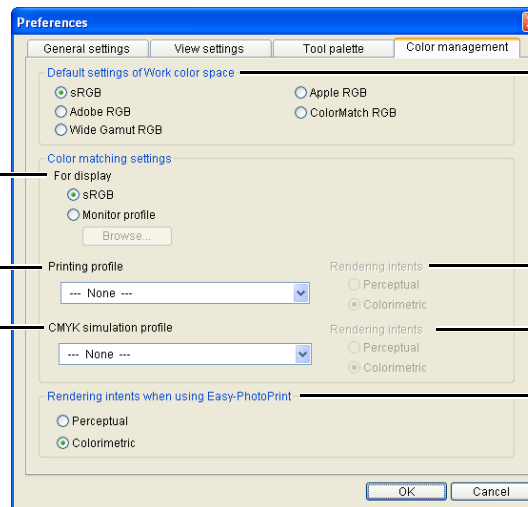
Select [Tone curve mode] (tone curve display) and [Interpolation method] (tie method) for the tone curve (p.2-9) displayed in the [RGB image adjustment] tab sheet on the tool palette.



Check to preserve [Color tone], [Color saturation] and [Sharpness] settings for each Picture Style parameter (p.2-7).

Allows you to select whether the tool palette is displayed as [Docking display] (within the window) or [Floating display] (another window).

Select a color space for the monitor. If you select the [Monitor profile], click the [Browse] button and select a profile for the used monitor.



Select from 5 types the color space to be applied to an RGB (JPEG, TIFF) image converted and saved as a separate image from a RAW image (p.1-18, p.1-19).

Select a rendering intent (matching method) when a printing profile has been set.

Select a rendering intent (matching method) when a CMYK simulation profile has been set.

Select a rendering intent (matching method) for printing with Easy-PhotoPrint (p.1-23).

Select a CMYK simulation profile to be used in CMYK simulation.

The image is displayed in the colors of the selected profile and you can simulate the color used when you print in a CMYK environment such as that of a printer.

With this setting, [CMYK] is displayed at the bottom of each window (p.1-2, p.2-2, p.3-2).

The CMYK simulation display can be temporarily canceled in the edit window (p.2-2) and the edit image window (p.3-2) by holding down the <Ctrl> + <Y> keys on the keyboard.

Select a printer profile to be used for printing images (p.1-22).

- When you restart Digital Photo Professional after changing [Default settings of RGB tone curve] in the [Tool palette] tab sheet or [Default settings of Work color space] in the [Color management] tab sheet, the setting content is applied. However, the setting content is not applied to an image which has been edited before a change was made (p.1-11, p.2-7 to p.2-10) and which has a [RGB] mark displayed (p.1-3). Change an individual tone curve with the menu (p.2-9) that appears by clicking on the tone curve with the right button on the mouse, and an individual color space by selecting the [Adjustment] menu ► [Work color space] (p.1-10).

- To select a monitor or printer profile, you need to have previously installed the monitor and printer profiles to be used on the computer. For details on the monitor and printer profiles to be used, refer to the user manual of each device.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

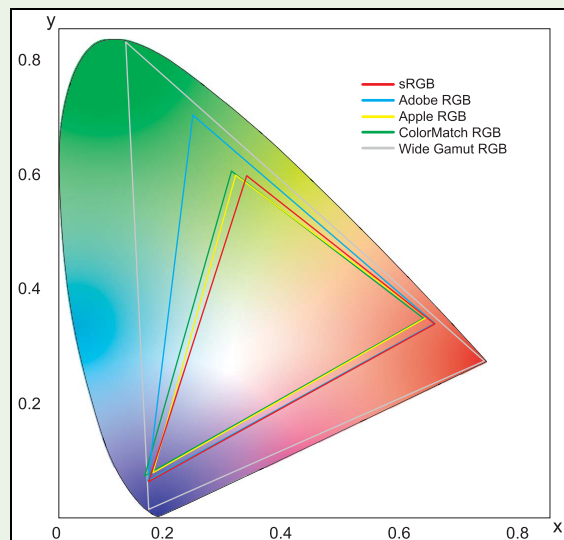
Shortcut Key List

Index



- You can set in the image a color space different from [Default settings of Work color space] (p.1-10).
- A color space is the reproducible color range (the characteristics of color gamut). Digital Photo Professional supports the following 5 kinds of color space.
 - sRGB** : Standard color space for Windows. Widely used for the standard color space of monitors, digital cameras, and scanners.
 - Adobe RGB** : A wider color space than sRGB. Mainly used for printing for business purposes.
 - Apple RGB** : Standard color space for Macintosh. A slightly wider color space than sRGB.
 - ColorMatch RGB** : A slightly wider color space than sRGB. Mainly used for printing for business purposes.
 - Wide Gamut RGB** : A wider color space than Adobe RGB.
- Refer to the color chart below for the color area of each color space.

Color chart of color spaces compatible with Digital Photo Professional



		Gamma value	White point (color temp.)
■	sRGB	2.2	6500K(D65)
■	Adobe RGB	2.2	6500K(D65)
■	Apple RGB	1.8	6500K(D65)
■	ColorMatch RGB	1.8	5000K(D50)
■	Wide Gamut RGB	2.2	5000K(D50)

- You can select a rendering intent (matching method) from [Perceptual] or [Relative Colorimetric] for color conversion when printing an image.
 - Perceptual** : Before and after conversion, all colors are converted to maintain the relationship between colors. Even where colors slightly change, you can print a natural-looking image which has maintained color harmony. However, depending on the image, the saturation may change overall.
 - Relative Colorimetric** : There will not be much conversion to colors which are similar before and after conversion, but colors which are not similar are converted appropriately. Because there are little changes to similar colors which comprise most of an image, you can print a natural-looking image in which the degree of color has not changed greatly. However, depending on the image, there are cases where the tone of an image changes somewhat as colors and highlights which are not similar change.
- With [CMYK simulation profile], you can simulate the color used when you print in a CMYK environment such as that of a printer. Digital Photo Professional is compatible with the following 4 types of printing profiles.
 - Euro Standard v1.00** : Profile normally used for book printing in Europe, suitable for simulation of standard European printing.
 - JMPA v1.10** : Profile normally used for book printing, etc. in Japan, suitable for simulation of magazine advertising standard color printing.
 - U.S. Web Coated v1.00** : Profile normally used for book printing in North America, suitable for simulation of North American standard printing.
 - JapanColor2001 type3** : Profile becoming a standard in the Japanese printing industry, suitable for simulation of JapanColor standard printing.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



2 Performing Detailed Edits in the Edit Window

This chapter describes the functions of the edit window, and how to display images and perform detailed edits on them.

- This chapter describes the functions that you can operate in the edit window only. For instructions on operating the functions common to those in the main window, refer to the page described with each item.

- Click on the item to display its page.

Displaying the Edit Window	2-2
Selecting the Image Display Mode	2-3
Selecting the Display Size	2-3
Displaying the Grid Lines	2-3
Displaying the Edited Image and the Original at the Same Time	2-3
Editing RAW Images with RAW Image Adjustment Functions	2-4
Adjusting the Brightness	2-4
Adjusting the White Balance	2-5
Setting Picture Style.....	2-6
Editing Images with RGB Image Adjustment Functions	2-7
Automatically Adjusting the Tone Curve (Tone Curve Assist)	2-8
Adjusting the Tone Curve	2-9

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Displaying the Edit Window

You can enlarge a single image and perform detailed edits on it in the edit window. You can display multiple edit windows and edit them while comparing each of them.

Double-click a thumbnail image in the main window.

- The edit window appears.
- A low resolution image is displayed first in the edit window, and then it switches to a high resolution image.
- Alternatively, you can display this window by selecting [File] menu ▶ [Open in Edit window].

Menu bar

Displays the [File], [Edit], [View], [Adjustment], [Tools], [Window], and [Help] menus.

The path for the image and file name are displayed.

Tool Palette

RAW image adjustment tab sheet (p.2-4)

RGB image adjustment tab sheet (p.2-7)

Image display area

Displays the image color space ([RAW] is displayed for RAW images) and the work color space set with Digital Photo Professional (p.1-10, p.1-26).

Displays the operating mode (p.1-25).

Displays the coordinates of the cursor position and the RGB values (8-bit conversion) of an image.

When you set CMYK simulation profile (p.1-26), [CMYK] is displayed. The CMYK simulation display can be canceled temporarily by holding down the <Ctrl> + <Y> keys on the keyboard.

If you set the tool palette to [Docking display] (p.1-26) and make the edit window large, a thumbnail of the image will be displayed. (When the tool palette is set to [Floating display] (p.1-26), the thumbnail image is always displayed.) The enlarged display position is displayed on the thumbnail and you can move the display position by dragging.

- To display or hide the tool palette, select the [View] menu ▶ [Tool palette].
- If you have multiple edit windows displayed, you can display a sequence of the edit windows by selecting [Window] menu ▶ [Arrange horizontally] or [Arrange vertically].
- To rotate an image, select the [Adjustment] menu ▶ [Rotate Left] or [Rotate Right].
- To set a check mark for an image, select the check mark item to be set from the [Adjustment] menu.
- To exit the edit window, select [File] menu ▶ [Close].



- For some images, it may take some time to switch to the high resolution image.
- The number of edit windows you can display depends on the available space in your computer hard disk.



- You can select whether the tool palette is displayed as another window ([Floating display]) or displayed within the same window ([Docking display]) (p.1-26).
- To revert to the condition before the last operation performed on the tool palette, press the <Ctrl> + <Z> keys.
- For information on shortcut keys, refer to the "Shortcut Key List" (p.5-2).

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Selecting the Image Display Mode

You can change the size and method in which images are displayed.

Selecting the Display Size

You can select the image size from [Fit to window] (Fitting to the image display area), [50% view], [100% view] (actual pixel size), and [200% view].

Select [View] menu ▶ Select the size to be set.

- The image is displayed in the selected size.
- When you display an enlarged image, you can change the display position by dragging the image.

 In the [Fit to window] display, if you double-click a section you want to enlarge, the display changes to the [100% view] display. If you double-click on the image in the [50% view], [100% view] or [200% view] display, the display changes to the [Fit to window] display.

Displaying the Grid Lines

You can display grid lines that allow you to check the horizontal or vertical level of the image.

Select [View] menu ▶ [Grid lines].

- Grid lines are displayed on the image.
- Performing the same operation again hides the grid lines.

 You can specify the grid spacing [\(p.1-25\)](#).

Displaying the Edited Image and the Original at the Same Time

You can display the edited image and the original at the same time.

Select [View] menu ▶ [Before/after comparison].

- A split window with the image before and after editing is displayed.

 The way the image is displayed can be changed [\(p.1-25\)](#).

Changing the Display Position

You can also tile images vertically.

Select [View] menu ▶ [Change up/down/left/right].

- Performing the same operation again tiles images horizontally.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

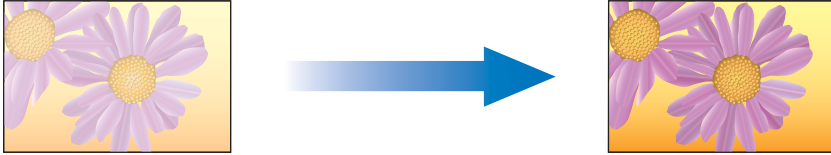
Shortcut Key List

Index



Editing RAW Images with RAW Image Adjustment Functions

You can perform more detailed edits on RAW images, than in the main window. When edited with the RAW image adjustment function (p.2-4 to p.2-7), there is almost no deterioration which accompanies image editing. You can therefore edit an image multiple times while preserving the image quality at the time the image was shot.

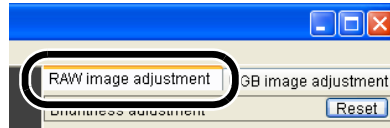


1 Display the RAW image in the edit window (p.2-2).

- When multiple images are displayed, click the image for which you wish to edit to place it in the top window.

2 Select the [RAW image adjustment] tab on the tool palette.

- The [RAW image adjustment] tab sheet appears.



3 Edit the RAW images (p.2-4 to p.2-7).

- You can apply edits to other images by copying and pasting the editing data to the other images (p.1-15).
- You can revert edited images to the last saved settings or shot settings (p.1-17).

4 Compare the edited image with the original (p.2-3).

5 Save the editing data to the image (p.1-17).

- You can convert an edited RAW image into an RGB (JPEG, TIFF) image and save it (p.1-18).

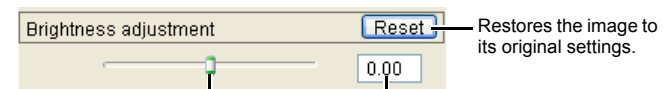
- ! ● You cannot edit PowerShot Pro1 RAW images.
- You cannot edit RGB (JPEG, TIFF) images with the RAW image adjustment function.
- If you exit Digital Photo Professional before saving editing data to images, editing data applied to images will not be saved. Be sure to exit after saving editing data to images (p.1-17).

- The editing data can be saved in a separate file (p.1-15).
- You can transfer edited images to Photoshop (p.1-21).
- Editing of RAW images with the RAW image adjustment function (p.2-4 to p.2-7) is recommended as there is almost no deterioration of the image which accompanies editing. Although there is a similar function in the RGB image adjustment function (p.2-7 to p.2-10), there is slight picture deterioration with editing. Therefore, where editing only with the RAW image adjustment function is insufficient, efficient RAW image editing which keeps image deterioration to a minimum can be performed by additionally using the RGB image adjustment function.
- Editing data performed with Digital Photo Professional has not directly edited the image, but displays the image by applying virtual editing data (a recipe) (p.1-15). Therefore, you can recover the image which was shot or the image which was last saved (p.1-17) and editing can be performed any number of times.
To create an image which you have directly edited according to editing data, convert/save the image as a different image from the edited image (p.1-18). Since the image created by this procedure is edited directly, the image before editing cannot be recovered.

Adjusting the Brightness

You can adjust the brightness in the range of -2.0 to +2.0 (in 0.01-stop increments when entering a value).

Adjust an image while viewing it.



Drag the slider left or right to adjust the brightness.

Enter a value to adjust the brightness.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Adjusting the White Balance

You can set the white balance with each method.

Selecting the White Balance (p.1-8)

You can set the white balance.

Specifying the Color Temperature (p.1-8)

You can specify the color temperature in the range of 2800 to 10000K (in 100K increments).

Click White Balance Function

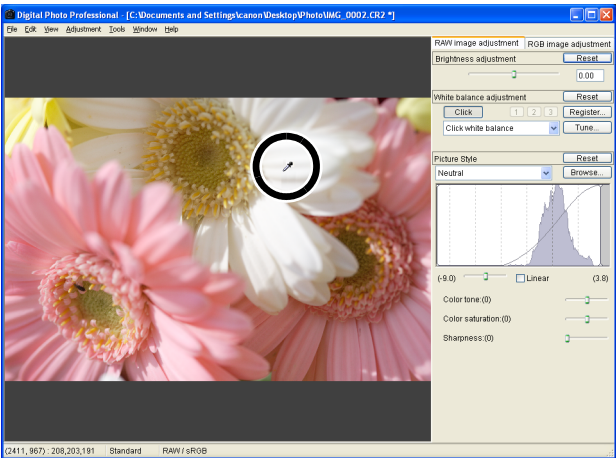
Makes white the standard for the point you selected and color in the image is adjusted.

1 Click the [Click] button.

→ When you move the cursor over the image, the cursor [↔] changes to [↔].



2 Click the point where is to be the standard.



- The color in the image is adjusted with white as the standard on the point you selected.
- If you click on another point over the image, the white balance is adjusted again.
- To finish Click White Balance, click the right button on the mouse or click the [Click] button.

- The image is adjusted based on the average value of the range of 5 × 5 pixels from the clicked point.
- Even if you have selected a neutral gray point of the image, the result of adjustments is the same as when you select a white point.

Adjusting with the Color Wheel (p.1-9)

You can select a desired color from the color wheel. You can also specify the color tone in the range of 0 to 359 (in 1-stop increments), and the color saturation in the range of 0 to 255 (in 1-stop increments).

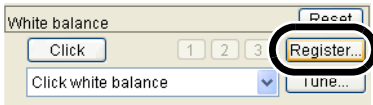
Registering Adjusted White Balance (Personal White Balance)

You can register up to 3 adjusted white balance data as personal white balance settings.

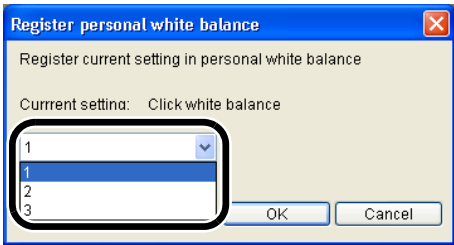
1 Adjust the white balance.

2 Click the [Register] button.

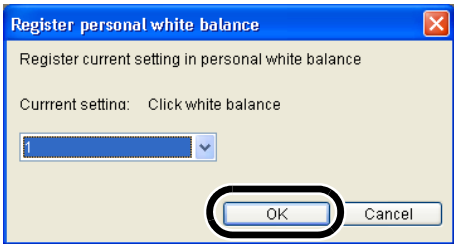
→ The [Register personal white balance] dialog box appears.



3 Select the number of the button to be registered from the list.



4 Click the [OK] button.



Personal White Balance (p.1-9)

You can apply the registered personal white balance to images.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index

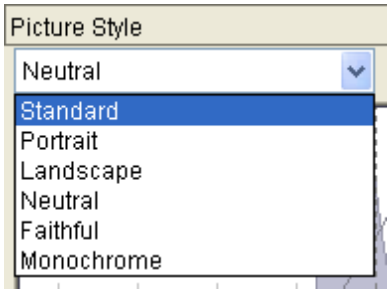


Setting Picture Style

Selecting a Picture Style

You can set the Picture Style.

Select a Picture Style from the list box.

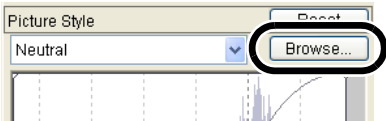


Standard	The image looks vivid, sharp, and crisp.
Portrait	For nice skin tones. The image looks slightly sharp and crisp. By changing the [Color tone] (p.2-7), you can adjust the skin tone.
Landscape	For vivid blues and greens, and very sharp and crisp images.
Neutral	For natural colors and subdued images. No sharpness is applied.
Faithful	When the subject is photographed under a color temperature of 5200K, the color is adjusted colorimetrically to match the subject's color. No sharpness is applied.
Monochrome	For black-and-white images.
(Picture Style file set in the camera)	Displayed when selecting an image shot with Picture Style file set in the camera. In the list, the caption name of the Picture Style file set in the camera is displayed with () attached.
[loaded Picture Style file]	The Picture Style loaded by clicking the [Browse] button is applied. In the list, the caption name of the Picture Style file loaded by clicking the [Browse] button is displayed with [] attached.

Applying a Picture Style file

You can load and apply to images Picture Style files downloaded from Canon's web site and saved on your computer.

- 1 Click the [Browse] button.
- The [Open] window is displayed.



- 2 Select a Picture Style file and click the [Open] button.
- The Picture Style file is loaded.

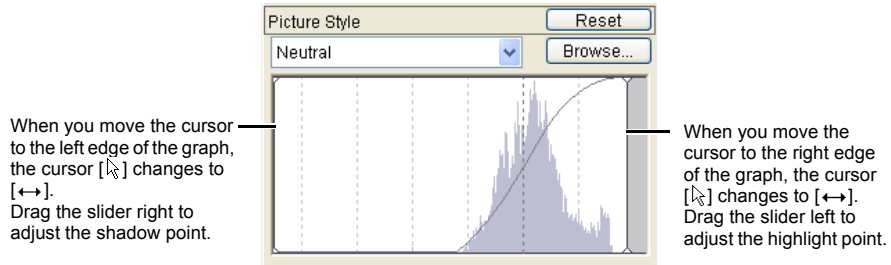
- 3 Select loaded Picture Style file from the list box.
- The loaded Picture Style file is applied to the image.

A Picture Style file is a file that expands the Picture Style function. For detailed information on Picture Style files, refer to Canon's web site.

Adjusting the Shadow and Highlight Points

You can specify the shadow point (the darkest point) and highlight point (the brightest point) to adjust the gradation of images.

Adjust an image while viewing it.



Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

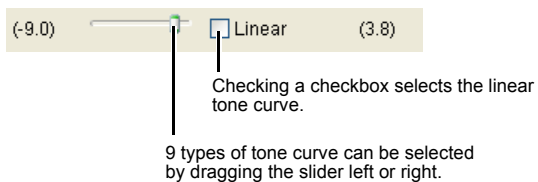
Index



Selecting the Tone Curve

You can select the tone curve.

Select a tone curve while viewing the image.



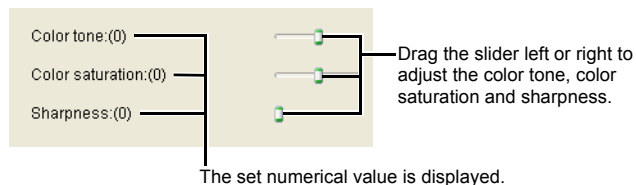
You can select [Linear] when you wish to adjust the image separately in image editing software such as Photoshop.

Adjusting the Color Tone, Color Saturation and Sharpness

The color tone and color saturation can be adjusted in the range of -4 to +4 (in 1-step increments), and sharpness in the range of 0 to 10 (in 1-step increments).

Also, when [Monochrome] is selected from the [Picture Style] list box (p.2-6), you can select from 5 types of [Filter effect] displayed ([None], [Yellow], [Orange], [Red], [Green]), and 5 types of [Toning effect] ([None], [Sepia], [Blue], [Purple], [Green]).

Adjust an image while viewing it.



Editing Images with RGB Image Adjustment Functions

You can perform various edits on the RAW and RGB (JPEG, TIFF) images.

When edited with the RGB image adjustment function (p.2-7 to p.2-10), the image deteriorates slightly with editing. When you use the RGB image adjustment function, please edit the image while checking changes in the image quality which accompanies editing.

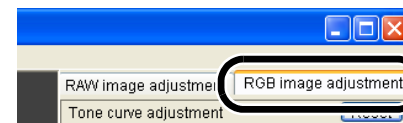


1 Display the image in the edit window (p.2-2).

- When multiple images are displayed, click the image for which you wish to edit to place it on the top window.

2 Select the [RGB image adjustment] tab on the tool palette.

- The [RGB image adjustment] tab sheet appears.



3 Edit the image (p.2-7 to p.2-10).

- You can apply edits to other images by copying and pasting the editing data to the other images (p.1-15).
- You can revert edited images to the last saved settings or shot settings (p.1-17).

4 Compare the edited image with the original (p.2-3).

5 Save the editing data to the image (p.1-17).

- You can convert an edited RAW image into an RGB (JPEG, TIFF) image and save it (p.1-18).
- You can save an edited RGB (JPEG, TIFF) image as a separate image (p.1-18).

! If you exit Digital Photo Professional before saving editing data to images, editing data applied to images will not be saved. Be sure to exit after saving editing data to images (p.1-17).

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



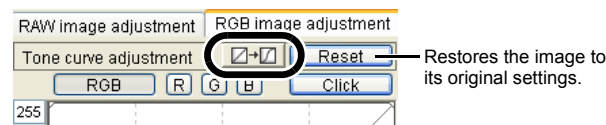
- The editing data can be saved in a separate file (p.1-15).
- You can transfer edited images to Photoshop (p.1-21).
- Editing of RAW images with the RAW image adjustment function (p.2-4 to p.2-7) is recommended as there is almost no deterioration of the image which accompanies editing. Although there is a similar function in the RGB image adjustment function (p.2-7 to p.2-10), there is slight picture deterioration with editing. Therefore, where editing only with the RAW image adjustment function is insufficient, efficient RAW image editing which keeps image deterioration to a minimum can be performed by additionally using the RGB image adjustment function.
- Editing data performed with Digital Photo Professional has not directly edited the image, but displays the image by applying virtual editing data (a recipe) (p.1-15). Therefore, you can recover the image which was shot or the image which was last saved (p.1-17) and editing can be performed any number of times. To create an image which you have directly edited according to editing data, convert/save the image as a different image from the edited image (p.1-18). Since the image created by this procedure is edited directly, the image before editing cannot be recovered.

Automatically Adjusting the Tone Curve (Tone Curve Assist)

You can automatically adjust the tone curve (p.2-9) of an image and adjust an image to a standard image brightness and color.

Click the [] button.

→ The image is adjusted.



⚠ Depending on the image, there may be cases where standard brightness and color are not adjusted. If this happens, you should edit the image with the tone curve adjustment function (p.2-9).

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index

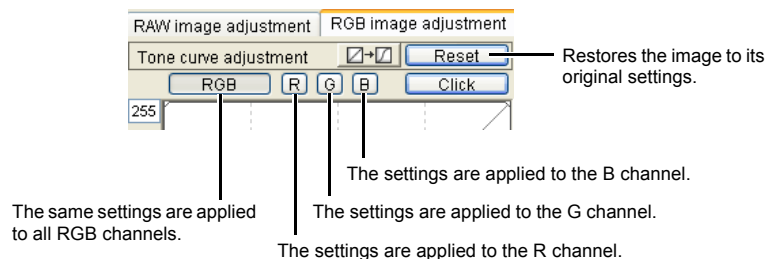


Adjusting the Tone Curve

A tone curve shows the brightness and color saturation for the original image (input) and the adjusted image (output) in the form of a line graph. You can use the tone curve to adjust the image brightness and color saturation values that were set by the camera automatically when the shot was taken. Also, you can adjust the input and output of the entire image in a single operation, or individually adjust the input and output of [R] (Red), [G] (Green) and [B] (Blue). The horizontal axis shows the brightness and color saturation for the original image (input) image, with the left-hand end indicating shadow (darker areas of the image) and the right-hand end indicating highlights (brighter areas of the image). The vertical axis shows the brightness and color saturation for the adjusted image (output), with the lower end indicating shadow and the upper end indicating highlights.

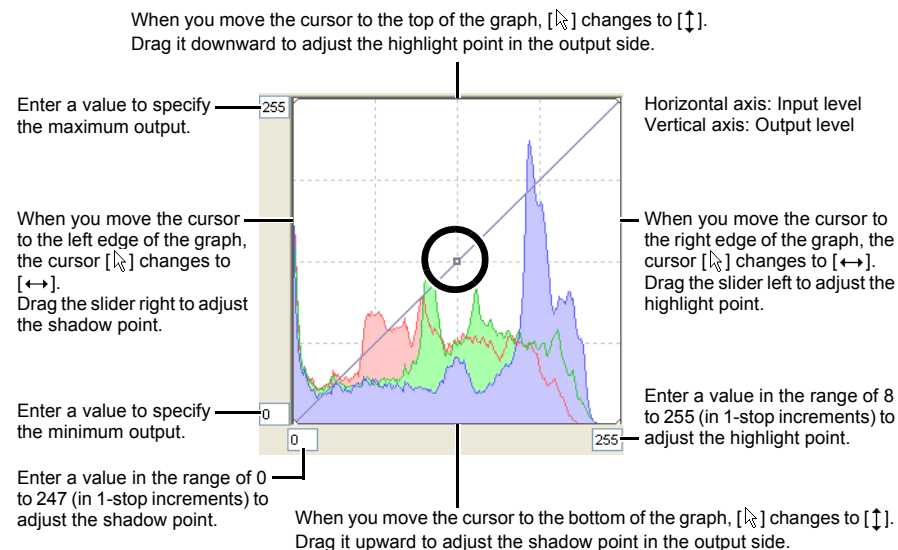
Adjusting the Tone Curve

1 Click the button to select a channel.



2 Adjust the tone curve.

- Clicking the tone curve shows [□] on the tone curve. Drag [□] to your desired location.
- You can specify up to 8 points of [□].
- Double-clicking [□] or pressing the <Delete> key on the keyboard deletes it.



! The minimum number of steps between the shadow point and the highlight point is 8.

📄 You can change the tone curve interpolation method (Curve/Straight) or tone curve modes (RGB R G B/Luminance R G B) from the menu that appears by clicking on a tone curve with the right button on the mouse, or from the [Tool palette] tab sheet in the [Preferences] dialog box (p.1-26).

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index

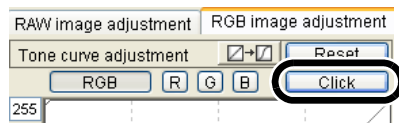


Click White Balance Function

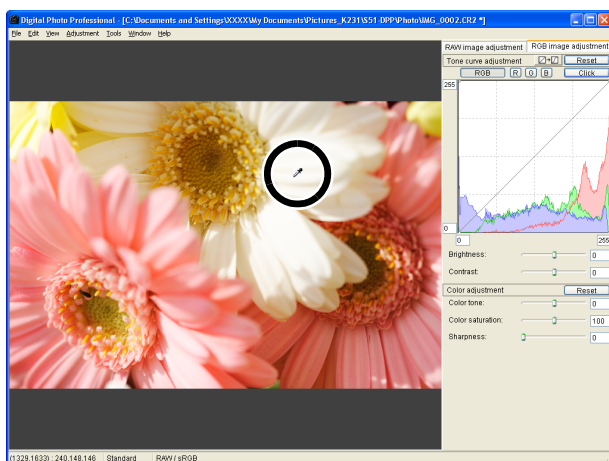
Makes white the standard for the point you selected and color in the image is adjusted.

1 Click the [Click] button.

→ When you move the cursor over the image, the cursor [↔] changes to [↔].



2 Click the point where is to be the standard.



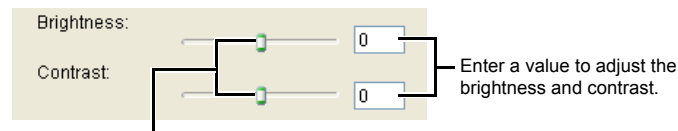
- The color in the image is adjusted with white as the standard on the point you selected.
- If you click on another point over the image, the white balance is adjusted again.
- To finish Click White Balance, click the right button on the mouse or click the [Click] button.

- The image is adjusted based on the value of 1 × 1 pixels from the clicked point.
- Even if you have selected a neutral gray point of the image, the result of adjustments is the same as when you select a white point.

Adjusting the Brightness and Contrast

You can adjust the brightness and contrast in the range of -100 to +100 (in 1-stop increments when entering a value).

Adjust an image while viewing it.

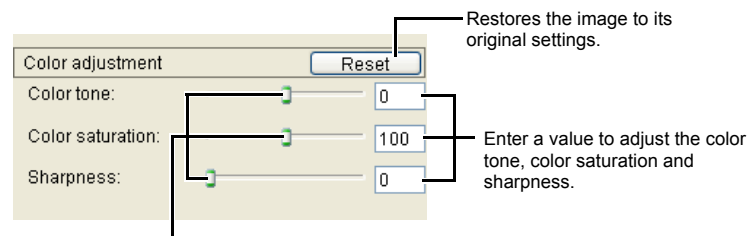


Drag the slider left or right to adjust the brightness and contrast.

Adjusting the Color Tone, Color Saturation and Sharpness

You can adjust the color tone in the range of -30 to +30 (in 1-stop increments when entering a value), the color saturation in the range of 0 to 200 (in 1-stop increments when entering a value) and the sharpness in the range of 0 to 500 (in 1-stop increments when entering a value).

Adjust an image while viewing it.



Drag the slider left or right to adjust the color tone, color saturation and sharpness.

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



This chapter describes the functions of the edit image window and how to display images.

- The functions of the edit image window are the same as those of the main window (chapter 1) and of the edit window (chapter 2). For detailed instructions on operating these functions, refer to the page described with each item.

- Click on the item to display its page.

Displaying the Edit Image Window 3-1

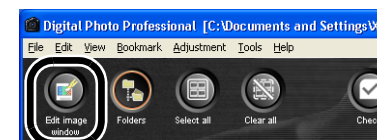
Displaying the Edit Image Window

In the edit image window, you can select one image from multiple images and perform detailed edits on the selected image.

1 Select multiple images in the main window.

2 Click the [Edit image window] button.

- The main window switches to the edit image window.
- The image clicked in the thumbnail image display area is displayed in the image display area.
- A low resolution image is displayed first, and then it switches to a high resolution image.
- Alternatively, you can display this window by selecting [View] menu ▶ [Edit in Edit image window].
- For detailed information on the edit image window functions, refer to the [next page](#).



Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

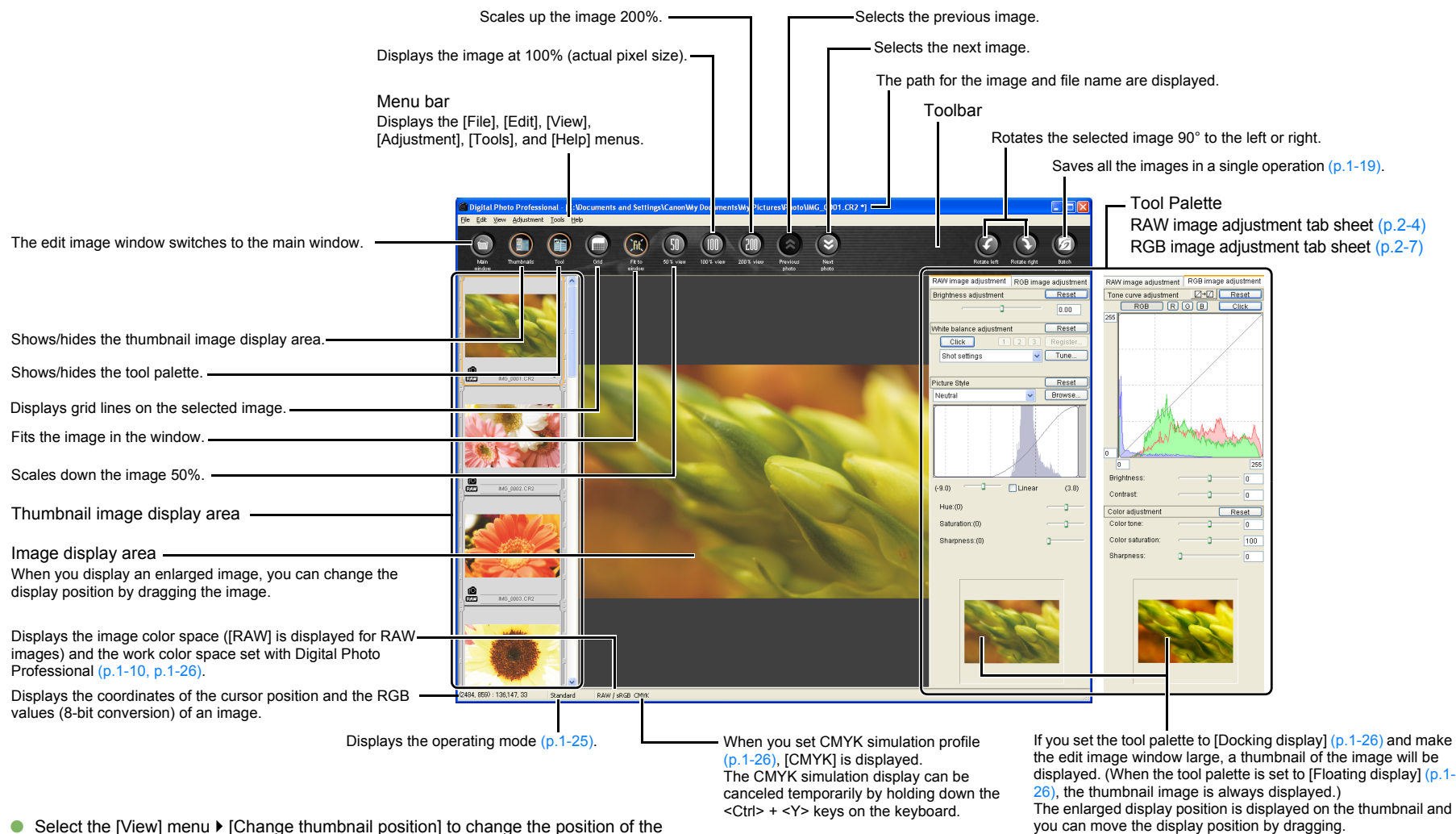
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index

Edit Image Window



- Select the [View] menu ► [Change thumbnail position] to change the position of the thumbnail image display area.
- To delete an image from the thumbnail image display area, select the [File] menu ► [Delete from list].
- To set a check mark for an image, select the check mark item to be set from the [Adjustment] menu.
- To exit the edit image window, click the [Main window] button.

⚠ For some images, it may take some time to switch to the high resolution image.

- You can select whether the tool palette is displayed as another window ([Floating display]) or displayed within the same window ([Docking display]) (p.1-26).
- To revert to the condition before the last operation performed on the tool palette, press the <Ctrl> + <Z> keys.
- Toolbar function buttons and menus on the menu bar perform the same operation.
- For information on shortcut keys, refer to the "Shortcut Key List" (p.5-3).

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



4 Checking an Image in the Quick Check Window

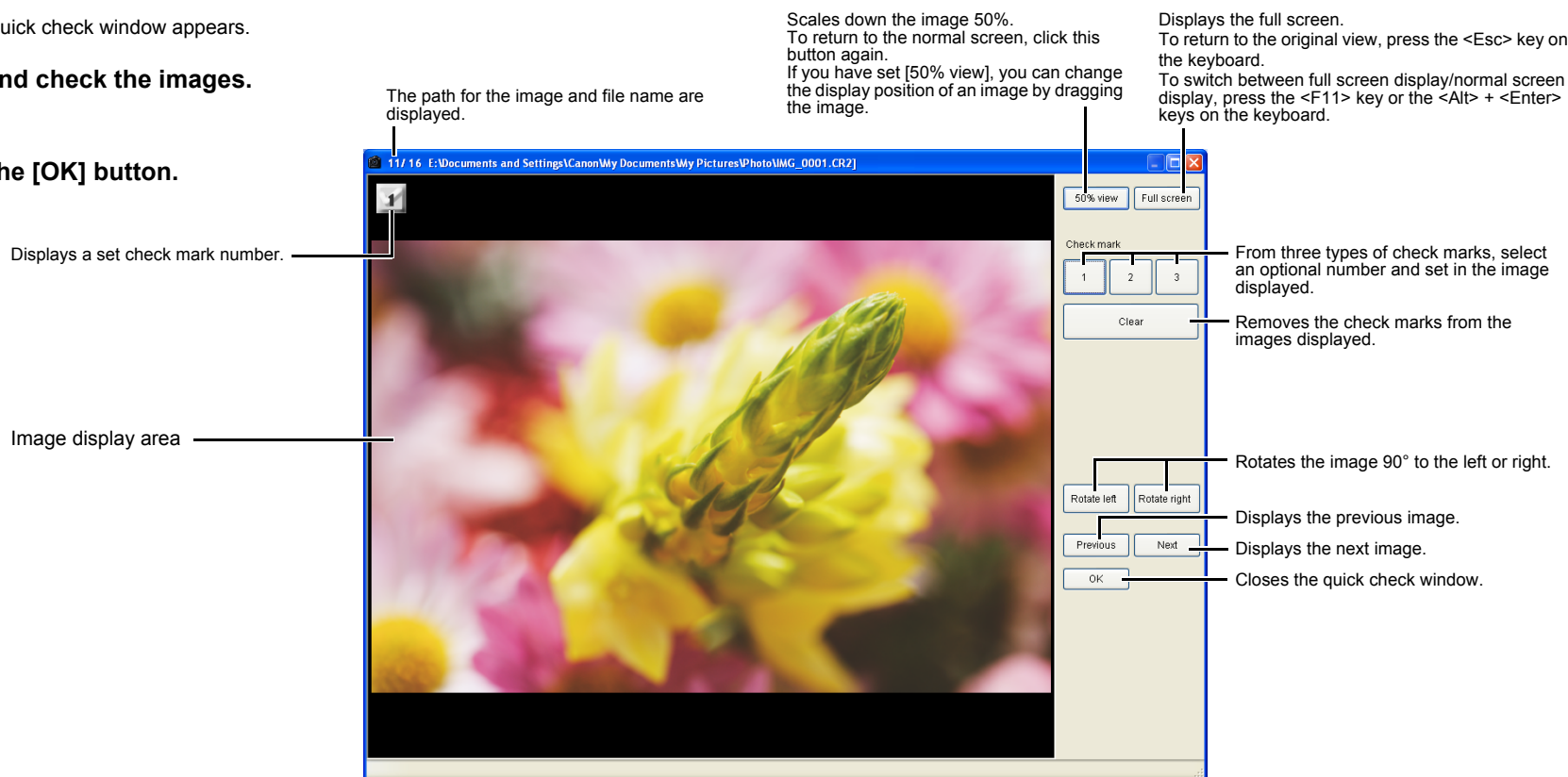
In the quick check window, enlarged images are displayed and they can be quickly viewed and checked.

1 Select multiple images in the main window.

2 Select the [Tools] menu ▶ [Start Quick check tool].
→ The quick check window appears.

3 View and check the images.

4 Click the [OK] button.



- You can also specify each setting or switch between full screen/normal screen from the menu that appears when you click on the window with the right button on the mouse.
- For information on shortcut keys, refer to the "Shortcut Key List" (p.5-2).

Cover/Table of Contents

Introduction

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

Performing Detailed Edits in the Edit Window

Performing Detailed Edits in the Edit Image Window

Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



This chapter provides troubleshooting, the instructions on uninstalling Digital Photo Professional, and shortcut key list to allow you to use Digital Photo Professional easily.

Troubleshooting

If you could not complete the installation correctly, Digital Photo Professional does not work, or you could not display images with Digital Photo Professional, consult the items described below.

Could not complete installation correctly.

- **Are you using Windows XP under a setting other than [Computer administrator] privileges or using Windows 2000 under a setting other than [Administrator] privileges?**
 - You cannot install software if a user setting other than [Computer administrator] privileges or [Administrator] privileges is selected. Select the [Computer administrator] privileges user setting in Windows XP or the [Administrator] privileges user setting in Windows 2000. For detailed information on selecting the user setting, refer to your computer's instruction manual.

Digital Photo Professional does not work.

- **Does your computer meet the system requirements for Digital Photo Professional?**
 - Check the system requirements (p.0-1).
- **Is there enough RAM (memory)?**
 - Check the system requirements (p.0-1).
- **Is the screen resolution less than [1024 by 768 pixels]?**
 - Specify [1024 by 768 pixels] or more for the screen resolution (p.0-1).
- **Is the color quality less than [Medium (16 bit)]?**
 - Specify [Medium (16 bit)] or more for the color quality (p.0-1).
- **Are multiple applications running?**
 - Exit any applications other than Digital Photo Professional. Even if your computer has the RAM capacity (memory) described in system requirements (p.0-1), if other application is running at the same time as Digital Photo Professional, you may not have sufficient RAM (memory).

Could not display images with Digital Photo Professional.

- **Did you try to display images other than the image types that are supported by Digital Photo Professional?**
 - Check the supported images (p.0-1).

● Click on the item to display its page.

Troubleshooting	5-1
Uninstalling the Software	5-1
Shortcut Key List	5-2
Index	5-4

Uninstalling the Software

- Log in under [Computer administrator]/[Administrator] privileges when uninstalling the software.
- Exit any applications before uninstalling the software.
- To prevent computer malfunctions, always restart your computer after you have uninstalled the software. Re-installing the software without first restarting your computer is particularly likely to result in computer malfunctions.

- 1 Select the [Start] button ▶ [All Programs] ([Programs] in Windows 2000) ▶ [Canon Utilities] ▶ [Digital Photo Professional] ▶ [Digital Photo Professional Uninstall].
- 2 Proceed with the uninstallation as directed by the on-screen messages.
 - The software is uninstalled.

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Shortcut Key List

Main Window

Operation	Key	Operation	Key
Open in Edit window	Ctrl + O	Invert selection	Ctrl + Shift + I
Add recipe and save	Ctrl + S	Edit in Edit image window	Ctrl + Right Arrow
Add recipe and save as	Ctrl + Shift + S	Large thumbnail	Ctrl + 1
Add thumbnail to images and save	Ctrl + Shift + T	Middle thumbnail	Ctrl + 2
Convert and save	Ctrl + D	Small thumbnail	Ctrl + 3
Batch process	Ctrl + B	Thumbnail with information	Ctrl + 4, Ctrl + 0
Print	Ctrl + P	Rotate Left	Ctrl + L
Customized Prints	Ctrl + Alt + P	Rotate Right	Ctrl + R
Contact Sheet Prints	Ctrl + Shift + P	Add check mark1	Alt + 1
Print with Easy-PhotoPrint	Ctrl + E	Add check mark2	Alt + 2
Delete	Del	Add check mark3	Alt + 3
Info	Ctrl + I	Remove check mark	Alt + Z
Exit	Alt + F4	Revert to last saved settings	Ctrl + Alt + Z
Cut	Ctrl + X	Revert to shot settings	Ctrl + Shift + Z
Copy	Ctrl + C	Start EOS Utility	Alt + O
Paste	Ctrl + V	Transfer to Photoshop	Alt + P
Select All	Ctrl + A	Start Quick check tool	Alt + Q
Clear All	Ctrl + Shift + A	Start Trimming tool	Alt + C, Ctrl + N
Select RAW images only	Ctrl + Alt + A	Start Stamp tool	Alt + S
Select JPEG images only	Ctrl + Alt + J	Start Rename tool	Alt + R
Select check mark1 images only	Ctrl + Alt + 1	Preferences	Ctrl + K
Select check mark2 images only	Ctrl + Alt + 2	Start up the Help	F1
Select check mark3 images only	Ctrl + Alt + 3	—	—

Edit Window

Operation	Key	Operation	Key
Add recipe and save	Ctrl + S	Rotate Left	Ctrl + L
Add recipe and save as	Ctrl + Shift + S	Rotate Right	Ctrl + R
Convert and save	Ctrl + D	Add check mark1	Alt + 1
Print	Ctrl + P	Add check mark2	Alt + 2
Customized Prints	Ctrl + Alt + P	Add check mark3	Alt + 3
Contact Sheet Prints	Ctrl + Shift + P	Remove check mark	Alt + Z
Print with Easy-PhotoPrint	Ctrl + E	Revert to last saved settings	Ctrl + Alt + Z
Info	Ctrl + I	Revert to shot settings	Ctrl + Shift + Z
Close	Ctrl + W, Alt + F4	Transfer to Photoshop	Alt + P
Undo	Ctrl + Z	Start Trimming tool	Alt + C, Ctrl + N
Tool palette	Ctrl + T	Start Stamp tool	Alt + S
Fit to window	Ctrl + 4, Ctrl + 0	Preferences	Ctrl + K
50% view	Ctrl + 1	Start up the Help	F1
100% view	Ctrl + 2	Cancel CMYK simulation (only functions while holding down the keys)	Ctrl + Y
200% view	Ctrl + 3	—	—

Quick Check Window

Operation	Key	Operation	Key
50% view	Ctrl + 1	Remove check mark	Alt + Z, Z*
Fit to window	Ctrl + 4	Switch check marks	V
Switch between full screen/normal screen	Alt + Enter, Ctrl + T, F11	Rotate left	Ctrl + L
Switch back to normal screen	Esc	Rotate right	Ctrl + R
Add check mark1	Alt + 1, 1*	Display the previous image	Ctrl + Left Arrow, Page Up, Left Arrow
Add check mark2	Alt + 2, 2*	Display the next image	Ctrl + Right Arrow, Page Down, Right Arrow
Add check mark3	Alt + 3, 3*	Close the quick check window	Alt + S

* Only functions when in full screen.

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

3
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Edit Image Window

Operation	Key	Operation	Key
Add recipe and save	Ctrl + S	200% view	Ctrl + 3
Add recipe and save as	Ctrl + Shift + S	Rotate Left	Ctrl + L
Convert and save	Ctrl + D	Rotate Right	Ctrl + R
Batch process	Ctrl + B	Add check mark1	Alt + 1
Print	Ctrl + P	Add check mark2	Alt + 2
Customized Prints	Ctrl + Alt + P	Add check mark3	Alt + 3
Contact Sheet Prints	Ctrl + Shift + P	Remove check mark	Alt + Z
Print with Easy-PhotoPrint	Ctrl + E	Revert to last saved settings	Ctrl + Alt + Z
Delete from list	Alt + Del	Revert to shot settings	Ctrl + Shift + Z
Info	Ctrl + I	Start EOS Utility	Alt + O
Exit	Alt + F4, Ctrl + W	Transfer to Photoshop	Alt + P
Undo	Ctrl + Z	Start Trimming tool	Alt + C, Ctrl + N
Return to main window	Ctrl + Left Arrow	Start Stamp tool	Alt + S
Tool palette	Ctrl + T	Preferences	Ctrl + K
Fit to window	Ctrl + 4, Ctrl + 0	Start up the Help	F1
50% view	Ctrl + 1	Cancel CMYK simulation (only functions while holding down the keys)	Ctrl + Y
100% view	Ctrl + 2	—	—

Trimming Window

Operation	Key	Operation	Key
Switch between full screen/normal screen	Alt + Enter, F11	Undo the trimming settings	Ctrl + Z
Switch back to normal screen	Esc	Save the settings and close the trimming window	Alt + S
Close the trimming window without saving the settings	Ctrl + W, Alt + F4	Reset the trimming range	Shift + Del
Display the previous image	Ctrl + Left Arrow, Page Up	Move the trimming range	Up, Down, Left and Right Arrows
Display the next image	Ctrl + Right Arrow, Page Down	Enlarge/reduce the trimming range	Shift + Up, Down, Left and Right Arrows
Copy the trimming range	Ctrl + C	Set the level of opacity (Up: Brighter, Down: Darker)	Wheel up/down

Paste the trimming range	Ctrl + V	Image display (Up: Display the previous image, Down: Display the next image)	Ctrl + Wheel up/down
--------------------------	----------	--	----------------------

Copy Stamp Window

Operation	Key	Operation	Key
Switch between full screen/normal screen	Alt + Enter, F11	Revert to the original condition before any corrections were performed	Ctrl + Shift + Z
Switch back to normal screen	Esc	Apply the content of the corrections and close the stamp tool window	Alt + S
Close the stamp tool window without applying the content of the corrections	Ctrl + W, Alt + F4	Set the radius of copy destination or correction range in 5 pixel units	Wheel up/down
Display the previous image	Left Arrow, Ctrl + Up Arrow	Set the radius of copy destination or correction range in 1 pixel units	Shift + Wheel up/down
Display the next image	Right Arrow, Ctrl + Down Arrow	Select copy source* (only functions when in 100% view)	Alt + click
Repair (Light)	W + click	Change the display position after copy source is selected (only functions when in 100% view)	Space + drag
Repair (Dark)	D + click	Set the pen type to brush*	B
Copy the content of the corrections	Ctrl + C	Set the pen type to pencil*	P
Paste the content of the corrections copied (only functions when an image with the same number of pixels for length and width is selected)	Ctrl + V	Display the previous correction	Shift + B
Redo the previous correction	Ctrl + Y	Display the next correction	Shift + F
Redo all the corrections	Ctrl + Shift + Y	Display the previous correction when the content of corrections is pasted to another image	Ctrl + B
Undo the previous action	Ctrl + Z	Display the next correction when the content of corrections is pasted to another image	Ctrl + F

* Only functions when using copy stamp functions (p.1-14).

Cover/Table of Contents

Introduction

1
Displaying Thumbnail Images and Performing Basic Edits in the Main Window

2
Performing Detailed Edits in the Edit Window

2
Performing Detailed Edits in the Edit Image Window

4
Checking an Image in the Quick Check Window

Troubleshooting

Shortcut Key List

Index



Index

A

Adding a Thumbnail of the Image 1-5
 Adjusting the Brightness..... 1-11
 Adjusting the Brightness (RAW)..... 1-10, 2-4
 Adjusting the Tone Curve..... 2-9
 Adjusting the Brightness and Contrast.. 2-10
 Adjusting the Color Tone, Color Saturation
 and Sharpness 2-10
 Adjusting the Tone Curve 2-9
 Click White Balance Function..... 2-10
 Adjusting the White Balance 1-7, 2-5
 Adjusting with the Color Wheel 1-9, 2-5
 Click White Balance Function..... 1-9, 2-5
 Personal White Balance 1-9, 2-5
 Registering Adjusted White Balance
 (Personal White Balance)..... 2-5
 Selecting the White Balance 1-8, 2-5
 Specifying the Color Temperature. 1-8, 2-5
 Adobe RGB 1-10, 1-27
 Apple RGB 1-10, 1-27
 Automatically Adjusting the Tone Curve... 1-11, 2-8

B

Batch Processing 1-19

C

Changing File Names in a Single Operation.. 1-20
 Color chart..... 1-10, 1-27
 ColorMatch RGB 1-10, 1-27
 Converting an Edited Image/Saving as a
 Separate Image
 Converting a Single Image/Saving as a
 Separate Image 1-18
 Converting Multiple Images in a Single
 Operation/Saving Multiple Images as
 Separate Images 1-19
 Copy Stamp Function..... 1-14

Copying Recipes and Applying to Other
 Images..... 1-15
 Copying/Moving an Image..... 1-5
 Correcting an Image 1-13, 1-14
 Correcting an Image Using the Copy Stamp
 Function..... 1-14
 Correcting an Image Using the Repair
 Function..... 1-13
 Creating a New Folder..... 1-4

D

Deleting Images..... 1-5
 Display functions 0-5
 Displaying Images 1-3
 Displaying the Edit Image Window 1-6, 3-1
 Displaying the Edit Window 1-6, 2-2
 Displaying the Quick Check Window. 1-6, 4-1
 Downloading Images from the Camera 1-3

E

Edit Image Window..... 3-2
 Edit Window..... 2-2
 Editing Images..... 1-11, 2-7
 Editing RAW Images 1-7, 2-4
 Exiting Digital Photo Professional..... 1-2
 Exiting the Edit Image Window..... 3-2
 Exiting the Edit Window..... 2-2
 Exiting the Quick Check Window..... 4-1

F

Function Contents 0-5
 Function Window Configuration..... 0-3

I

Image adjustment functions..... 0-5
 Information Displayed with Images..... 1-3

L

Loading and Pasting Recipes..... 1-15

M

Main Window 1-2

O

Operating with the Remote Shooting Function.. 1-24
 Organize functions..... 0-5
 Organizing Bookmarks 1-4

P

Print functions..... 0-5
 Printing Images
 Contact Sheet Printing..... 1-23
 One-Page Printing (Automatic Settings)... 1-22
 One-Page Printing (Detailed Settings) .. 1-22
 Printing with Canon Large-Format Printers.. 1-24
 Printing with Canon PIXMA/BJ Printers .. 1-23

Q

Quick Check Window 4-1

R

RAW Image Adjustment Functions .. 0-5, 1-7, 2-4
 RAW image adjustment tab sheet..... 2-2, 3-2
 Recipe 1-15
 Registering Frequent Use Folders with the
 Bookmark 1-4
 Repair Function 1-13
 Reverting Edited Images to Their Original
 Condition
 Reverting to Last Saved Settings 1-17
 Reverting to Shot Settings 1-17

RGB Image Adjustment Functions.. 0-5, 1-11, 2-7
 RGB image adjustment tab sheet..... 2-2, 3-2
 Rotating images..... 1-2, 2-2, 3-2, 4-1

S

Saving the Editing Data to the Image
 Saving by Overwriting..... 1-17
 Saving the Image with a Different Name... 1-17
 Saving the Recipes..... 1-15
 Selecting the Image Display Mode
 Displaying Image Information 1-6
 Displaying Shooting Information 1-5

Displaying the Edited Image and the
 Original at the Same Time 2-3
 Displaying the Grid Lines 2-3
 Selecting the Display Size 2-3, 3-2
 Selecting the Thumbnail Size 1-5
 Sorting Images..... 1-6

Setting a Check mark
 for the Image..... 1-2, 2-2, 3-2, 4-1
 Setting Color Space Different from Default
 Settings..... 1-10
 Setting Picture Style 2-6
 Adjusting the Color Tone, Color Saturation
 and Sharpness..... 2-7
 Adjusting the Shadow and Highlight Points.. 2-6
 Applying a Picture Style file 2-6
 Selecting a Picture Style 2-6
 Selecting the Tone Curve 2-7
 Shortcut Key List..... 5-2
 Specifying Preferences..... 1-25
 sRGB 1-10, 1-27
 Starting up Digital Photo Professional 1-2
 Supported Images 0-1
 System Requirements 0-1

T

Tone Curve Assist 1-11, 2-8
 Transferring Images to Image Editing Software
 Transferring Multiple Images to Image
 Editing Software..... 1-21
 Transferring One Image to Photoshop .. 1-21
 Trimming Function 1-12
 Trimming Images 1-12

U

Uninstalling the Software 5-1
 Using Edits..... 1-15

W

Wide Gamut RGB 1-10, 1-27

Cover/Table of
Contents

Introduction

1
Displaying Thumbnail Images
and Performing Basic Edits
in the Main Window

2
Performing Detailed
Edits in the Edit
Window

2
Performing Detailed
Edits in the Edit
Image Window

4
Checking an Image
in the Quick Check
Window

Troubleshooting

Shortcut Key List

Index

